

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051724\
 Data File : VN082181.D
 Acq On : 17 May 2024 16:11
 Operator : JC\MD
 Sample : VN0517WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/20/2024
 Supervised By : Mahesh Dadoda 05/20/2024

Quant Time: May 17 23:11:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	188061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	323464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	288664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132542	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154163	51.915	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.820%			
35) Dibromofluoromethane	8.165	113	103616	52.074	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.140%			
50) Toluene-d8	10.565	98	393945	51.640	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.280%			
62) 4-Bromofluorobenzene	12.847	95	135922	49.918	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 99.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	53771	19.832	ug/l	97
3) Chloromethane	2.365	50	58096	18.907	ug/l	98
4) Vinyl Chloride	2.518	62	56771	19.652	ug/l	100
5) Bromomethane	2.959	94	29537	17.789	ug/l	97
6) Chloroethane	3.124	64	38193	20.248	ug/l	98
7) Trichlorofluoromethane	3.500	101	76029	20.099	ug/l	100
8) Diethyl Ether	3.959	74	26992	20.030	ug/l	66
9) 1,1,2-Trichlorotrifluo...	4.371	101	43605	19.733	ug/l	99
10) Methyl Iodide	4.589	142	39663	17.855	ug/l	93
11) Tert butyl alcohol	5.518	59	49251	103.322	ug/l	98
12) 1,1-Dichloroethene	4.347	96	40930	19.928	ug/l #	82
13) Acrolein	4.183	56	29346	83.078	ug/l	98
14) Allyl chloride	5.030	41	91118	20.721	ug/l #	85
15) Acrylonitrile	5.718	53	126511	102.477	ug/l	99
16) Acetone	4.430	43	117918	96.801	ug/l	95
17) Carbon Disulfide	4.712	76	118927	17.928	ug/l	99
18) Methyl Acetate	5.024	43	62228	20.512	ug/l #	84
19) Methyl tert-butyl Ether	5.794	73	153456	20.441	ug/l	99
20) Methylene Chloride	5.277	84	49234	20.032	ug/l #	75
21) trans-1,2-Dichloroethene	5.788	96	42951	19.190	ug/l #	72
22) Diisopropyl ether	6.671	45	182585	19.885	ug/l #	91
23) Vinyl Acetate	6.606	43	733214	101.280	ug/l #	90
24) 1,1-Dichloroethane	6.571	63	93224	19.698	ug/l	96
25) 2-Butanone	7.482	43	185038	100.188	ug/l #	81
26) 2,2-Dichloropropane	7.494	77	77246	19.486	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	52354	19.820	ug/l	79
28) Bromochloromethane	7.812	49	43005	20.296	ug/l #	75
29) Tetrahydrofuran	7.841	42	121775	102.693	ug/l #	81
30) Chloroform	7.965	83	91320	20.206	ug/l	94
31) Cyclohexane	8.259	56	89794	18.933	ug/l	85
32) 1,1,1-Trichloroethane	8.171	97	81028	20.209	ug/l	94
36) 1,1-Dichloropropene	8.371	75	64631	19.367	ug/l	95
37) Ethyl Acetate	7.559	43	76189	20.400	ug/l #	93
38) Carbon Tetrachloride	8.365	117	67769	20.032	ug/l	96
39) Methylcyclohexane	9.606	83	72818	19.906	ug/l	90
40) Benzene	8.606	78	198246	19.921	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	42886	19.525	ug/l #	83
42) 1,2-Dichloroethane	8.671	62	76287	19.932	ug/l	95
43) Isopropyl Acetate	8.688	43	135826	20.525	ug/l #	88
44) Trichloroethene	9.353	130	44167	19.538	ug/l	98
45) 1,2-Dichloropropane	9.623	63	51255	19.962	ug/l	99
46) Dibromomethane	9.712	93	34099	20.228	ug/l	98
47) Bromodichloromethane	9.888	83	72276	20.310	ug/l #	95
48) Methyl methacrylate	9.682	41	63420	20.112	ug/l #	81
49) 1,4-Dioxane	9.694	88	19427	439.654	ug/l #	79
51) 4-Methyl-2-Pentanone	10.447	43	390265	103.795	ug/l	89
52) Toluene	10.629	92	121262	20.305	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	72357	19.659	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	78961	20.268	ug/l #	79
55) 1,1,2-Trichloroethane	11.018	97	44040	20.292	ug/l	97
56) Ethyl methacrylate	10.876	69	74938	20.338	ug/l #	69
57) 1,3-Dichloropropane	11.165	76	81385	20.056	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	201680	106.116	ug/l	90
59) 2-Hexanone	11.200	43	286499	104.065	ug/l	89
60) Dibromochloromethane	11.359	129	50887	21.247	ug/l	100
61) 1,2-Dibromoethane	11.470	107	44514	19.969	ug/l	98
64) Tetrachloroethene	11.106	164	43857	20.498	ug/l	93
65) Chlorobenzene	11.894	112	127921	20.060	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	43903	20.901	ug/l	99
67) Ethyl Benzene	11.965	91	227737	19.964	ug/l	95
68) m/p-Xylenes	12.070	106	169300	40.493	ug/l	93
69) o-Xylene	12.400	106	80648	19.913	ug/l	92
70) Styrene	12.412	104	134550	20.001	ug/l	95
71) Bromoform	12.576	173	31702	19.411	ug/l #	98
73) Isopropylbenzene	12.694	105	209544	19.900	ug/l	97
74) N-amyl acetate	12.494	43	113490	19.594	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.941	83	60857	20.050	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	58906m	21.116	ug/l	
77) Bromobenzene	12.982	156	49727	19.817	ug/l	88
78) n-propylbenzene	13.035	91	251602	20.178	ug/l	94
79) 2-Chlorotoluene	13.123	91	152539	19.482	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	175165	20.573	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	22021	18.463	ug/l #	80
82) 4-Chlorotoluene	13.223	91	149345	19.509	ug/l	95
83) tert-Butylbenzene	13.441	119	146904	19.722	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	173828	19.955	ug/l	97
85) sec-Butylbenzene	13.617	105	205529	19.907	ug/l	97
86) p-Isopropyltoluene	13.729	119	170357	20.303	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	87595	19.268	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	89021	19.186	ug/l	95
89) n-Butylbenzene	14.059	91	145650	19.313	ug/l	98
90) Hexachloroethane	14.335	117	30099	19.361	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	86876	20.188	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12857	20.616	ug/l	86
93) 1,2,4-Trichlorobenzene	15.394	180	45509	18.866	ug/l	96
94) Hexachlorobutadiene	15.500	225	19792	18.699	ug/l	99
95) Naphthalene	15.641	128	145879	19.298	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	46343	19.191	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TIC: VN082181.D\data.ms

Abundance

Time-->

700000
650000
600000
550000
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
0

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

Dichlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acetone, T
Methyl Iodide, T
Carbon Disulfide, T
Allyl Isocyanate, T
Methylene Chloride, T
Tert butyl alcohol, T
Methyl 1,2-Dibutylcarbamate, T
Methyl 1,2-Dibutylcarbamate, T
1,1-Dichloroethane, P
Disopropyl ether, T
Vinyl Acetate, T
Ethyl Acetate, T
Methacrylonitrile, T
Chloroform, C
Cyclohexane, T
Dibromodichloromethane, T
1,2-Dichloropropane, T
1,2-Dichlorobenzene, T
1,4-Difluorobenzene, I
Trichloroethene, TM
Dibromochloromethane, T
Bromochloromethane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
t-1,3-Dichloropropene, T
1,1,2-Trichloroethane, T
1,2-Dichloroethane, T
Dibromochloromethane, T
1,2-Dibromoethane, T
Chlorobenzene, PM
Ethyl Benzoate, O
Methyl Benzoate, O
Xylenes, T
Styrene, Xylene, T
Isopropylbenzene, T
4-Bromofluorobenzene, S
Benzene, T
1,2,3-Trichlorobenzene, T
4-Chlorotoluene, T
1,2,4-Trimethylbenzene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,4-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Hexachlorobutadiene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T