

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052024\
 Data File : VN082204.D
 Acq On : 20 May 2024 12:58
 Operator : JC\MD
 Sample : VN0520WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0520WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/21/2024
 Supervised By : Mahesh Dadoda 05/21/2024

Quant Time: May 21 03:45:38 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	180829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	281315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	129689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	134772	47.200	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.400%		
35) Dibromofluoromethane	8.165	113	92646	49.147	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.300%		
50) Toluene-d8	10.565	98	343779	47.567	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.140%		
62) 4-Bromofluorobenzene	12.847	95	122406	47.452	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	94.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	48169	18.476	ug/l	98
3) Chloromethane	2.359	50	54614	18.484	ug/l	98
4) Vinyl Chloride	2.518	62	50907	18.327	ug/l	98
5) Bromomethane	2.959	94	29880	18.715	ug/l	95
6) Chloroethane	3.124	64	34355	18.942	ug/l	99
7) Trichlorofluoromethane	3.500	101	68165	18.741	ug/l	97
8) Diethyl Ether	3.959	74	25995	20.062	ug/l	69
9) 1,1,2-Trichlorotrifluo...	4.377	101	39677	18.674	ug/l	98
10) Methyl Iodide	4.589	142	37297	17.461	ug/l	94
11) Tert butyl alcohol	5.518	59	46173	100.739	ug/l #	89
12) 1,1-Dichloroethene	4.347	96	36485	18.475	ug/l #	78
13) Acrolein	4.177	56	26222	77.203	ug/l	96
14) Allyl chloride	5.024	41	84812	20.059	ug/l #	85
15) Acrylonitrile	5.712	53	121613	102.449	ug/l	100
16) Acetone	4.424	43	110146	94.037	ug/l	96
17) Carbon Disulfide	4.712	76	109723	17.202	ug/l	97
18) Methyl Acetate	5.018	43	59481	20.391	ug/l #	86
19) Methyl tert-butyl Ether	5.800	73	143766	19.916	ug/l	98
20) Methylene Chloride	5.271	84	46923	19.855	ug/l #	83
21) trans-1,2-Dichloroethene	5.783	96	40313	18.732	ug/l #	83
22) Diisopropyl ether	6.677	45	172158	19.499	ug/l #	90
23) Vinyl Acetate	6.606	43	700251	100.596	ug/l #	88
24) 1,1-Dichloroethane	6.565	63	85370	18.760	ug/l	98
25) 2-Butanone	7.483	43	175884	99.040	ug/l #	83
26) 2,2-Dichloropropane	7.488	77	73871	19.380	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	49250	19.391	ug/l	80
28) Bromochloromethane	7.818	49	37577	18.401	ug/l #	74
29) Tetrahydrofuran	7.835	42	116189	101.901	ug/l #	82
30) Chloroform	7.965	83	86525	19.910	ug/l	96
31) Cyclohexane	8.253	56	80433	17.637	ug/l #	83
32) 1,1,1-Trichloroethane	8.171	97	75006	19.455	ug/l	94
36) 1,1-Dichloropropene	8.371	75	59587	18.847	ug/l	95
37) Ethyl Acetate	7.559	43	71787	20.289	ug/l #	94
38) Carbon Tetrachloride	8.359	117	62816	19.600	ug/l	92
39) Methylcyclohexane	9.600	83	63089	18.205	ug/l #	84
40) Benzene	8.606	78	186952	19.830	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	41981	20.175	ug/l #	84
42) 1,2-Dichloroethane	8.671	62	74262	20.480	ug/l	95
43) Isopropyl Acetate	8.688	43	140538	22.416	ug/l #	86
44) Trichloroethene	9.359	130	41099	19.191	ug/l	98
45) 1,2-Dichloropropane	9.624	63	48961	20.128	ug/l	97
46) Dibromomethane	9.712	93	32442	20.314	ug/l	98
47) Bromodichloromethane	9.888	83	69452	20.600	ug/l	98
48) Methyl methacrylate	9.682	41	60019	20.091	ug/l #	82
49) 1,4-Dioxane	9.700	88	18613	444.629	ug/l #	78
51) 4-Methyl-2-Pentanone	10.447	43	375092	105.300	ug/l	89
52) Toluene	10.629	92	113557	20.071	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	71219	20.425	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	76751	20.795	ug/l #	77
55) 1,1,2-Trichloroethane	11.018	97	41881	20.370	ug/l	93
56) Ethyl methacrylate	10.876	69	72114	20.658	ug/l #	71
57) 1,3-Dichloropropane	11.165	76	79081	20.571	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	161588	89.744	ug/l	89
59) 2-Hexanone	11.200	43	273414	104.828	ug/l	89
60) Dibromochloromethane	11.359	129	49653	21.883	ug/l	100
61) 1,2-Dibromoethane	11.471	107	42330	20.044	ug/l	100
64) Tetrachloroethene	11.106	164	41412	19.861	ug/l	94
65) Chlorobenzene	11.894	112	121541	19.557	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	42459	20.741	ug/l	99
67) Ethyl Benzene	11.965	91	213675	19.220	ug/l	95
68) m/p-Xylenes	12.070	106	156775	38.477	ug/l	91
69) o-Xylene	12.400	106	75373	19.097	ug/l	92
70) Styrene	12.412	104	130756	19.945	ug/l	96
71) Bromoform	12.582	173	31542	19.803	ug/l #	97
73) Isopropylbenzene	12.694	105	195291	18.955	ug/l	96
74) N-amyl acetate	12.494	43	106535	18.798	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.941	83	59252	19.950	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	56196m	20.587	ug/l	
77) Bromobenzene	12.982	156	47863	19.493	ug/l	90
78) n-propylbenzene	13.035	91	234317	19.205	ug/l	96
79) 2-Chlorotoluene	13.123	91	142618	18.616	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	163215	19.591	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	22392	19.187	ug/l #	80
82) 4-Chlorotoluene	13.223	91	143804	19.198	ug/l	94
83) tert-Butylbenzene	13.441	119	135629	18.609	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	164700	19.323	ug/l	99
85) sec-Butylbenzene	13.617	105	194057	19.209	ug/l	98
86) p-Isopropyltoluene	13.729	119	161245	19.640	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	86236	19.386	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	86241	18.995	ug/l	96
89) n-Butylbenzene	14.059	91	141483	19.173	ug/l	98
90) Hexachloroethane	14.335	117	30062	19.763	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	84066	19.965	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12446	20.396	ug/l	86
93) 1,2,4-Trichlorobenzene	15.394	180	44771	18.969	ug/l	98
94) Hexachlorobutadiene	15.506	225	19376	18.709	ug/l	98
95) Naphthalene	15.641	128	144690	19.562	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	44652	18.898	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

