

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022024\
 Data File : VN081091.D
 Acq On : 20 Feb 2024 12:20
 Operator : JC\MD
 Sample : VN0220WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/21/2024
 Supervised By : Mahesh Dadoda 02/21/2024

Quant Time: Feb 21 00:19:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	368972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	669896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	587965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	265472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	207698	45.925	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.840%		
35) Dibromofluoromethane	8.165	113	176123	46.494	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.980%		
50) Toluene-d8	10.565	98	602618	44.790	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.580%		
62) 4-Bromofluorobenzene	12.847	95	224619	44.431	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	99229	20.795	ug/l	100
3) Chloromethane	2.359	50	94550	17.391	ug/l	99
4) Vinyl Chloride	2.518	62	99241	18.724	ug/l	95
5) Bromomethane	2.971	94	69600	18.488	ug/l	98
6) Chloroethane	3.124	64	64143	18.156	ug/l	95
7) Trichlorofluoromethane	3.506	101	146222	18.884	ug/l	100
8) Diethyl Ether	3.959	74	56390	19.919	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.371	101	85274	19.755	ug/l	93
10) Methyl Iodide	4.595	142	100004	20.755	ug/l #	94
11) Tert butyl alcohol	5.518	59	70414	84.661	ug/l	99
12) 1,1-Dichloroethene	4.342	96	79919	19.153	ug/l	83
13) Acrolein	4.183	56	81757	183.401	ug/l	96
14) Allyl chloride	5.024	41	127450	20.586	ug/l	96
15) Acrylonitrile	5.718	53	198946	91.588	ug/l	98
16) Acetone	4.430	43	132358	74.378	ug/l	99
17) Carbon Disulfide	4.712	76	206110	17.710	ug/l	97
18) Methyl Acetate	5.018	43	89252	20.560	ug/l	91
19) Methyl tert-butyl Ether	5.795	73	278242	19.470	ug/l	98
20) Methylene Chloride	5.277	84	89164	18.788	ug/l	89
21) trans-1,2-Dichloroethene	5.789	96	85145	18.290	ug/l	96
22) Diisopropyl ether	6.665	45	278863	19.856	ug/l #	93
23) Vinyl Acetate	6.600	43	1113947	97.761	ug/l	95
24) 1,1-Dichloroethane	6.571	63	160856	19.809	ug/l	97
25) 2-Butanone	7.483	43	241238	83.912	ug/l #	88
26) 2,2-Dichloropropane	7.489	77	148190	19.476	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	105686	19.540	ug/l	86
28) Bromochloromethane	7.812	49	62000	18.416	ug/l #	69
29) Tetrahydrofuran	7.836	42	168328	87.711	ug/l #	86
30) Chloroform	7.965	83	168545	19.524	ug/l	96
31) Cyclohexane	8.259	56	151072	19.346	ug/l #	84
32) 1,1,1-Trichloroethane	8.165	97	150918	19.195	ug/l	89
36) 1,1-Dichloropropene	8.371	75	123746	19.068	ug/l	97
37) Ethyl Acetate	7.559	43	109974	18.776	ug/l	97
38) Carbon Tetrachloride	8.365	117	128218	19.528	ug/l	95
39) Methylcyclohexane	9.600	83	148851	19.676	ug/l	88
40) Benzene	8.606	78	372559	19.833	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	61011	18.303	ug/l	97
42) 1,2-Dichloroethane	8.671	62	127557	19.464	ug/l	98
43) Isopropyl Acetate	8.688	43	229494	22.404	ug/l	97
44) Trichloroethene	9.353	130	96709	19.330	ug/l	92
45) 1,2-Dichloropropane	9.624	63	93742	19.950	ug/l	92
46) Dibromomethane	9.706	93	67971	19.853	ug/l	91
47) Bromodichloromethane	9.888	83	130371	20.106	ug/l #	92
48) Methyl methacrylate	9.677	41	90816	19.053	ug/l	92
49) 1,4-Dioxane	9.700	88	32590	345.421	ug/l #	70
51) 4-Methyl-2-Pentanone	10.447	43	545102	92.505	ug/l	96
52) Toluene	10.630	92	233558	19.640	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	145383	20.176	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	156848	20.147	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	91200	19.939	ug/l	91
56) Ethyl methacrylate	10.877	69	132730	18.988	ug/l	92
57) 1,3-Dichloropropane	11.165	76	160043	20.237	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	316175	90.145	ug/l #	87
59) 2-Hexanone	11.194	43	385121	82.437	ug/l	95
60) Dibromochloromethane	11.359	129	93115	19.163	ug/l	100
61) 1,2-Dibromoethane	11.471	107	91674	19.060	ug/l	99
64) Tetrachloroethene	11.106	164	78350	19.525	ug/l	86
65) Chlorobenzene	11.894	112	243128	19.106	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	92708	20.283	ug/l	95
67) Ethyl Benzene	11.965	91	442308	19.424	ug/l	98
68) m/p-Xylenes	12.071	106	333452	38.204	ug/l	95
69) o-Xylene	12.400	106	165675	19.149	ug/l	92
70) Styrene	12.412	104	263686	19.233	ug/l	98
71) Bromoform	12.576	173	56434	19.461	ug/l #	98
73) Isopropylbenzene	12.694	105	428905	18.466	ug/l	98
74) N-amyl acetate	12.494	43	169958	17.313	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	119044	18.227	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	98509m	16.332	ug/l	
77) Bromobenzene	12.982	156	94999	18.343	ug/l	75
78) n-propylbenzene	13.035	91	498309	18.636	ug/l	95
79) 2-Chlorotoluene	13.123	91	292729	17.849	ug/l	92
80) 1,3,5-Trimethylbenzene	13.176	105	357037	18.959	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	42178	17.999	ug/l	98
82) 4-Chlorotoluene	13.223	91	286868	17.889	ug/l	92
83) tert-Butylbenzene	13.441	119	306206	18.804	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	349580	18.628	ug/l	92
85) sec-Butylbenzene	13.618	105	432826	19.119	ug/l	94
86) p-Isopropyltoluene	13.729	119	350100	18.619	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	177012	18.089	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	178814	18.597	ug/l	98
89) n-Butylbenzene	14.059	91	315309	19.248	ug/l	97
90) Hexachloroethane	14.335	117	58302	18.758	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	174532	18.493	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	23591	17.373	ug/l	79
93) 1,2,4-Trichlorobenzene	15.394	180	99198	18.840	ug/l	99
94) Hexachlorobutadiene	15.500	225	35884	18.274	ug/l	97
95) Naphthalene	15.641	128	345964	17.930	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	99716	19.090	ug/l	99

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

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