

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075786.D
 Acq On : 14 Dec 2022 23:40
 Operator : JC\MD
 Sample : VN1214WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2022
 Supervised By : Mahesh Dadoda 12/15/2022

Quant Time: Dec 15 00:30:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	305636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	488157	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	437993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	208985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	162266	48.801	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.600%		
35) Dibromofluoromethane	8.171	113	148376	49.081	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.160%		
50) Toluene-d8	10.571	98	558657	49.426	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.860%		
62) 4-Bromofluorobenzene	12.853	95	181428	48.463	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.920%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	38690	17.829	ug/l	99
3) Chloromethane	2.377	50	46623	17.277	ug/l	98
4) Vinyl Chloride	2.524	62	56584	17.579	ug/l	95
5) Bromomethane	2.965	94	47346	17.307	ug/l	98
6) Chloroethane	3.130	64	43719	18.341	ug/l	94
7) Trichlorofluoromethane	3.506	101	88370	18.092	ug/l	94
8) Diethyl Ether	3.977	74	33809	18.951	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.377	101	51676	18.528	ug/l	96
10) Methyl Iodide	4.606	142	80655	17.819	ug/l	100
11) Tert butyl alcohol	5.536	59	40864	86.854	ug/l #	91
12) 1,1-Dichloroethene	4.359	96	48722	17.986	ug/l	92
13) Acrolein	4.195	56	55239	95.767	ug/l	99
14) Allyl chloride	5.042	41	53957	17.039	ug/l	90
15) Acrylonitrile	5.736	53	119326	92.938	ug/l	97
16) Acetone	4.442	43	90332	78.810	ug/l	96
17) Carbon Disulfide	4.730	76	113493	17.305	ug/l	99
18) Methyl Acetate	5.048	43	62134	18.339	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	167237	18.748	ug/l	97
20) Methylene Chloride	5.295	84	57918	18.486	ug/l	97
21) trans-1,2-Dichloroethene	5.800	96	52838	17.811	ug/l	98
22) Diisopropyl ether	6.683	45	146906	19.097	ug/l	99
23) Vinyl Acetate	6.618	43	471734	91.111	ug/l	98
24) 1,1-Dichloroethane	6.583	63	93511	18.227	ug/l	96
25) 2-Butanone	7.489	43	144747	90.191	ug/l	93
26) 2,2-Dichloropropane	7.494	77	72951	16.791	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	66312	18.690	ug/l	98
28) Bromochloromethane	7.818	49	38868	17.286	ug/l	99
29) Tetrahydrofuran	7.847	42	95265	94.721	ug/l	100
30) Chloroform	7.977	83	103486	17.916	ug/l	100
31) Cyclohexane	8.265	56	85069	17.864	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	95517	18.652	ug/l	97
36) 1,1-Dichloropropene	8.377	75	74584	18.572	ug/l	99
37) Ethyl Acetate	7.571	43	59955	18.587	ug/l	99
38) Carbon Tetrachloride	8.365	117	83392	18.554	ug/l	97
39) Methylcyclohexane	9.606	83	93501	19.299	ug/l	96
40) Benzene	8.612	78	231923	18.718	ug/l	96

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41) Methacrylonitrile	7.783	41	32032	19.104	ug/l	98
42) 1,2-Dichloroethane	8.677	62	77549	18.826	ug/l	99
43) Isopropyl Acetate	8.694	43	103460	19.443	ug/l	100
44) Trichloroethene	9.353	130	63802	18.278	ug/l	91
45) 1,2-Dichloropropane	9.624	63	56474	18.730	ug/l	99
46) Dibromomethane	9.712	93	41731	18.661	ug/l	98
47) Bromodichloromethane	9.894	83	83625	19.068	ug/l	98
48) Methyl methacrylate	9.688	41	47754	19.926	ug/l	97
49) 1,4-Dioxane	9.700	88	21104	358.192	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	316206	98.263	ug/l	99
52) Toluene	10.635	92	153093	18.972	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	78898	18.379	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	88651	18.808	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	59839	18.893	ug/l	99
56) Ethyl methacrylate	10.877	69	81164	19.292	ug/l	97
57) 1,3-Dichloropropane	11.165	76	98215	18.904	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	87696	65.472	ug/l	99
59) 2-Hexanone	11.200	43	222428	94.781	ug/l	100
60) Dibromochloromethane	11.359	129	65644	18.636	ug/l	99
61) 1,2-Dibromoethane	11.471	107	60006	18.721	ug/l	99
64) Tetrachloroethene	11.106	164	56546	18.347	ug/l	98
65) Chlorobenzene	11.894	112	162745	18.103	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	63215	18.985	ug/l	100
67) Ethyl Benzene	11.965	91	287380	18.941	ug/l	100
68) m/p-Xylenes	12.077	106	232944	38.790	ug/l	99
69) o-Xylene	12.400	106	116314	19.572	ug/l	98
70) Styrene	12.412	104	181595	19.218	ug/l	99
71) Bromoform	12.582	173	46421	19.159	ug/l #	99
73) Isopropylbenzene	12.700	105	295354	19.557	ug/l	100
74) N-amyl acetate	12.500	43	85588	19.318	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	85867	18.392	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	80897m	19.203	ug/l	
77) Bromobenzene	12.982	156	71468	18.699	ug/l	96
78) n-propylbenzene	13.041	91	326013	19.572	ug/l	99
79) 2-Chlorotoluene	13.129	91	196297	18.879	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	249639	19.750	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	19469	16.635	ug/l	91
82) 4-Chlorotoluene	13.129	91	196297	18.879	ug/l	98
83) tert-Butylbenzene	13.441	119	229450	20.589	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	246364	19.648	ug/l	99
85) sec-Butylbenzene	13.618	105	301887	19.626	ug/l	98
86) p-Isopropyltoluene	13.735	119	250551	19.576	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	133397	18.895	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	127525	17.682	ug/l	98
89) n-Butylbenzene	14.059	91	193634	18.675	ug/l	100
90) Hexachloroethane	14.335	117	43784	19.124	ug/l	98
91) 1,2-Dichlorobenzene	14.112	146	131971	18.978	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	13659	16.488	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	58997	17.136	ug/l	99
94) Hexachlorobutadiene	15.506	225	33317	17.737	ug/l	99
95) Naphthalene	15.641	128	172864	16.714	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	57191	17.773	ug/l	98

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

