

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110422\
 Data File : VN075167.D
 Acq On : 04 Nov 2022 11:53
 Operator : JC\MD
 Sample : VN1104WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/07/2022
 Supervised By : Mahesh Dadoda 11/07/2022

Quant Time: Nov 05 06:56:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	96458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	180134	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	164563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	75250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	69306	53.326	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.660%			
35) Dibromofluoromethane	8.171	113	55294	52.289	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.580%			
50) Toluene-d8	10.571	98	211601	51.576	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.160%			
62) 4-Bromofluorobenzene	12.847	95	72478	50.290	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	22594	18.006	ug/l	92
3) Chloromethane	2.371	50	23458	17.600	ug/l	99
4) Vinyl Chloride	2.524	62	33869	17.813	ug/l	97
5) Bromomethane	2.918	94	31679	20.397	ug/l	97
6) Chloroethane	3.101	64	24587	18.033	ug/l	92
7) Trichlorofluoromethane	3.489	101	38579	19.862	ug/l	100
8) Diethyl Ether	3.965	74	13998	19.758	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	21970	20.481	ug/l	97
10) Methyl Iodide	4.601	142	30978	19.398	ug/l	98
11) Tert butyl alcohol	5.536	59	27644	91.209	ug/l	99
12) 1,1-Dichloroethene	4.348	96	19475	19.047	ug/l	89
13) Acrolein	4.189	56	19725	79.566	ug/l	99
14) Allyl chloride	5.030	41	29580	19.808	ug/l	99
15) Acrylonitrile	5.736	53	64174	100.234	ug/l	98
16) Acetone	4.442	43	59210	107.594	ug/l	95
17) Carbon Disulfide	4.712	76	44669	17.372	ug/l	99
18) Methyl Acetate	5.036	43	38798	21.584	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	75887	19.969	ug/l	92
20) Methylene Chloride	5.289	84	25564	20.835	ug/l	95
21) trans-1,2-Dichloroethene	5.789	96	21544	19.244	ug/l	92
22) Diisopropyl ether	6.683	45	63075	19.139	ug/l	95
23) Vinyl Acetate	6.612	43	259565m	94.320	ug/l	
24) 1,1-Dichloroethane	6.577	63	41318	19.824	ug/l	97
25) 2-Butanone	7.489	43	85876	99.212	ug/l	99
26) 2,2-Dichloropropane	7.494	77	36858	19.223	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	26342	19.703	ug/l	99
28) Bromochloromethane	7.818	49	17843	20.308	ug/l #	99
29) Tetrahydrofuran	7.847	42	54048	96.630	ug/l	98
30) Chloroform	7.971	83	44623	19.719	ug/l	97
31) Cyclohexane	8.259	56	36068	18.659	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	41030	19.966	ug/l	96
36) 1,1-Dichloropropene	8.377	75	30900	18.874	ug/l	97
37) Ethyl Acetate	7.565	43	33711	18.776	ug/l	99
38) Carbon Tetrachloride	8.365	117	35512	19.719	ug/l	99
39) Methylcyclohexane	9.606	83	39364	18.213	ug/l	98
40) Benzene	8.606	78	97930	19.536	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	16862	19.603	ug/l	97
42) 1,2-Dichloroethane	8.677	62	36601	20.069	ug/l	98
43) Isopropyl Acetate	8.694	43	51913	18.640	ug/l	99
44) Trichloroethene	9.359	130	24466	19.454	ug/l	95
45) 1,2-Dichloropropane	9.624	63	24330	20.395	ug/l	92
46) Dibromomethane	9.712	93	18356	19.750	ug/l	99
47) Bromodichloromethane	9.888	83	35093	19.498	ug/l	97
48) Methyl methacrylate	9.683	41	23469	18.371	ug/l	99
49) 1,4-Dioxane	9.700	88	13011	388.934	ug/l	100
51) 4-Methyl-2-Pentanone	10.447	43	170259	94.738	ug/l	100
52) Toluene	10.630	92	64698	19.308	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	34894	18.368	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	38225	18.971	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	26131	19.667	ug/l	97
56) Ethyl methacrylate	10.877	69	37628	18.566	ug/l	98
57) 1,3-Dichloropropane	11.165	76	44646	20.178	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	72550	92.596	ug/l	99
59) 2-Hexanone	11.200	43	128745	94.389	ug/l	98
60) Dibromochloromethane	11.359	129	27000	19.261	ug/l	98
61) 1,2-Dibromoethane	11.471	107	26405	19.392	ug/l	98
64) Tetrachloroethene	11.106	164	22221	22.025	ug/l	92
65) Chlorobenzene	11.894	112	67457	19.204	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	25077	19.245	ug/l	96
67) Ethyl Benzene	11.965	91	122278	19.349	ug/l	97
68) m/p-Xylenes	12.071	106	97602	38.490	ug/l	100
69) o-Xylene	12.400	106	48141	19.197	ug/l	97
70) Styrene	12.412	104	75783	18.952	ug/l	99
71) Bromoform	12.576	173	17841	18.287	ug/l #	98
73) Isopropylbenzene	12.694	105	120817	19.999	ug/l	99
74) N-amyl acetate	12.494	43	42233	18.902	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	40824	21.228	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	34875m	21.827	ug/l	
77) Bromobenzene	12.982	156	26425	19.866	ug/l	97
78) n-propylbenzene	13.035	91	138156	20.369	ug/l	97
79) 2-Chlorotoluene	13.123	91	85425	20.611	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	102755	20.251	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	10758	17.284	ug/l	97
82) 4-Chlorotoluene	13.123	91	85425	20.611	ug/l	98
83) tert-Butylbenzene	13.441	119	89831	19.924	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	103678	20.195	ug/l	99
85) sec-Butylbenzene	13.618	105	128878	20.433	ug/l	96
86) p-Isopropyltoluene	13.729	119	104114	19.987	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	52592	20.193	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	51662	20.043	ug/l	99
89) n-Butylbenzene	14.059	91	83961	20.016	ug/l	99
90) Hexachloroethane	14.329	117	18178	19.033	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	53292	20.582	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	7800	19.141	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	22659	20.337	ug/l	98
94) Hexachlorobutadiene	15.500	225	11359	20.913	ug/l	97
95) Naphthalene	15.641	128	81801	19.091	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	22490	20.315	ug/l	99

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

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