

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101022\
 Data File : VN074825.D
 Acq On : 10 Oct 2022 11:52
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/11/2022
 Supervised By : Mahesh Dadoda 10/11/2022

Quant Time: Oct 11 06:20:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	280999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	492633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	553128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	361773	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	342557	51.450	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.900%			
35) Dibromofluoromethane	8.171	113	276825	55.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.240%			
50) Toluene-d8	10.571	98	1163286	54.468	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.940%			
62) 4-Bromofluorobenzene	12.853	95	360952	55.597	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	283006	49.110	ug/l	93
3) Chloromethane	2.377	50	381660	44.534	ug/l	96
4) Vinyl Chloride	2.530	62	563869	53.140	ug/l	100
5) Bromomethane	2.942	94	431021	57.605	ug/l	95
6) Chloroethane	3.118	64	430116	54.785	ug/l	94
7) Trichlorofluoromethane	3.506	101	429468	51.355	ug/l	93
8) Diethyl Ether	3.983	74	186267	42.696	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.389	101	261400	51.023	ug/l	99
10) Methyl Iodide	4.612	142	302012	48.749	ug/l	98
11) Tert butyl alcohol	5.547	59	433077	194.212	ug/l	98
12) 1,1-Dichloroethene	4.359	96	247361	45.358	ug/l	97
13) Acrolein	4.195	56	129712	249.978	ug/l	99
14) Allyl chloride	5.047	41	465347	41.518	ug/l #	85
15) Acrylonitrile	5.742	53	1163961	239.318	ug/l	99
16) Acetone	4.447	43	1075528	285.050	ug/l	97
17) Carbon Disulfide	4.724	76	646190	43.359	ug/l	96
18) Methyl Acetate	5.047	43	671774	48.089	ug/l	97
19) Methyl tert-butyl Ether	5.818	73	1018246	47.992	ug/l	98
20) Methylene Chloride	5.300	84	317035	52.941	ug/l	95
21) trans-1,2-Dichloroethene	5.800	96	271079	46.469	ug/l	93
22) Diisopropyl ether	6.689	45	1171867	49.227	ug/l	96
23) Vinyl Acetate	6.618	43	4522285	231.264	ug/l	98
24) 1,1-Dichloroethane	6.583	63	602456	49.086	ug/l	98
25) 2-Butanone	7.494	43	1735647	253.465	ug/l	95
26) 2,2-Dichloropropane	7.506	77	516417	51.013	ug/l	96
27) cis-1,2-Dichloroethene	7.500	96	344342	49.585	ug/l	99
28) Bromochloromethane	7.830	49	299218	54.032	ug/l	99
29) Tetrahydrofuran	7.847	42	1161325	243.335	ug/l	99
30) Chloroform	7.977	83	598746	53.261	ug/l	94
31) Cyclohexane	8.265	56	548043	47.625	ug/l	98
32) 1,1,1-Trichloroethane	8.183	97	508350	53.052	ug/l	99
36) 1,1-Dichloropropene	8.377	75	436730	54.210	ug/l	98
37) Ethyl Acetate	7.494	43	1735647	53.712	ug/l #	52
38) Carbon Tetrachloride	8.371	117	415894	54.742	ug/l	99
39) Methylcyclohexane	9.606	83	548907	52.595	ug/l	95
40) Benzene	8.612	78	1386120	53.147	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	306085	48.081	ug/l	94
42) 1,2-Dichloroethane	8.683	62	450494	55.028	ug/l	98
43) Isopropyl Acetate	8.694	43	1048552	52.507	ug/l	98
44) Trichloroethene	9.359	130	289934	53.376	ug/l	99
45) 1,2-Dichloropropane	9.630	63	368974	52.249	ug/l	96
46) Dibromomethane	9.712	93	231864	55.954	ug/l	94
47) Bromodichloromethane	9.888	83	469509	55.457	ug/l	100
48) Methyl methacrylate	9.612	41	466344	56.881	ug/l #	95
49) 1,4-Dioxane	9.700	88	162081	912.142	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	3493535	271.668	ug/l	98
52) Toluene	10.629	92	876764	55.960	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	556313	55.149	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	573690	52.677	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	356332	56.562	ug/l	97
56) Ethyl methacrylate	10.877	69	620428	54.074	ug/l	99
57) 1,3-Dichloropropane	11.165	76	621336	54.722	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	1081103	261.234	ug/l	99
59) 2-Hexanone	11.200	43	2701437	277.729	ug/l	97
60) Dibromochloromethane	11.365	129	352941	56.871	ug/l	99
61) 1,2-Dibromoethane	11.471	107	352387	55.010	ug/l	99
64) Tetrachloroethene	11.106	164	236422	52.652	ug/l	99
65) Chlorobenzene	11.894	112	884809	52.216	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	321995	52.041	ug/l	99
67) Ethyl Benzene	11.965	91	1735953	54.962	ug/l	99
68) m/p-Xylenes	12.071	106	1309581	110.452	ug/l	98
69) o-Xylene	12.400	106	650316	53.461	ug/l	96
70) Styrene	12.412	104	1091627	56.925	ug/l	98
71) Bromoform	12.576	173	256738	54.397	ug/l #	99
73) Isopropylbenzene	12.700	105	1695334	48.698	ug/l	99
74) N-amyl acetate	12.494	43	936513	44.493	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	618120	55.090	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	459800m	42.582	ug/l	
77) Bromobenzene	12.982	156	342307	55.015	ug/l	98
78) n-propylbenzene	13.035	91	2076331	51.770	ug/l	100
79) 2-Chlorotoluene	13.129	91	1162389	47.795	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	1431144	51.546	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	247510	44.660	ug/l	97
82) 4-Chlorotoluene	13.223	91	1157091	51.333	ug/l	99
83) tert-Butylbenzene	13.441	119	1220176	50.856	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	1441394	51.342	ug/l	98
85) sec-Butylbenzene	13.617	105	1862225	53.412	ug/l	100
86) p-Isopropyltoluene	13.729	119	1494890	55.560	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	698285	50.576	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	690149	52.921	ug/l	98
89) n-Butylbenzene	14.059	91	1354433	57.113	ug/l	98
90) Hexachloroethane	14.335	117	279190	46.409	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	711977	53.548	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	122324	42.393	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	323466	55.616	ug/l	99
94) Hexachlorobutadiene	15.500	225	145806	53.591	ug/l	98
95) Naphthalene	15.641	128	1286593	51.168	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	317639	55.358	ug/l	99

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

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