

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122022\
 Data File : VN075887.D
 Acq On : 20 Dec 2022 10:14
 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 12/21/2022
 Supervised By : Mahesh Dadoda 12/21/2022

Quant Time: Dec 21 01:26:22 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	8.229	168	369991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	583856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	520086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	260708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	196516	48.822	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.640%		
35) Dibromofluoromethane	8.171	113	179987	49.779	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.560%		
50) Toluene-d8	10.571	98	671229	49.651	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.300%		
62) 4-Bromofluorobenzene	12.853	95	235969	52.700	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	123296	46.933	ug/l	100
3) Chloromethane	2.377	50	138227	42.314	ug/l	99
4) Vinyl Chloride	2.530	62	168549	43.254	ug/l	98
5) Bromomethane	2.947	94	140747	42.500	ug/l	99
6) Chloroethane	3.124	64	125679	43.553	ug/l	96
7) Trichlorofluoromethane	3.506	101	280681	47.470	ug/l	98
8) Diethyl Ether	3.977	74	107890	49.958	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	169260	50.131	ug/l	99
10) Methyl Iodide	4.600	142	263131	48.022	ug/l	99
11) Tert butyl alcohol	5.536	59	124221	218.102	ug/l	99
12) 1,1-Dichloroethene	4.353	96	158389	48.301	ug/l	100
13) Acrolein	4.189	56	221168	316.743	ug/l	100
14) Allyl chloride	5.036	41	186304	48.601	ug/l	90
15) Acrylonitrile	5.730	53	366329	235.690	ug/l	99
16) Acetone	4.436	43	383726	276.549	ug/l	95
17) Carbon Disulfide	4.724	76	355768	44.810	ug/l	98
18) Methyl Acetate	5.036	43	187865	45.804	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	556920	51.573	ug/l	96
20) Methylene Chloride	5.289	84	181998	49.020	ug/l	96
21) trans-1,2-Dichloroethene	5.794	96	170802	47.561	ug/l	98
22) Diisopropyl ether	6.683	45	489440	52.559	ug/l	98
23) Vinyl Acetate	6.612	43	1599317	255.164	ug/l	99
24) 1,1-Dichloroethane	6.577	63	306475	49.348	ug/l	99
25) 2-Butanone	7.488	43	495746	255.168	ug/l	99
26) 2,2-Dichloropropane	7.500	77	271118	51.550	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	211867	49.328	ug/l	96
28) Bromochloromethane	7.818	49	118094	43.384	ug/l	100
29) Tetrahydrofuran	7.841	42	292839	240.522	ug/l	99
30) Chloroform	7.971	83	337306	48.239	ug/l	96
31) Cyclohexane	8.265	56	268004	46.490	ug/l	94
32) 1,1,1-Trichloroethane	8.171	97	312867	50.469	ug/l	98
36) 1,1-Dichloropropene	8.377	75	247345	51.497	ug/l	100
37) Ethyl Acetate	7.565	43	183547	47.574	ug/l	97
38) Carbon Tetrachloride	8.365	117	275776	51.300	ug/l	96
39) Methylcyclohexane	9.606	83	323475	55.823	ug/l	98
40) Benzene	8.612	78	741097	50.009	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	105866	52.790	ug/l	99
42) 1,2-Dichloroethane	8.671	62	246029	49.937	ug/l	100
43) Isopropyl Acetate	8.694	43	335590	52.731	ug/l	99
44) Trichloroethene	9.359	130	204077	48.882	ug/l	95
45) 1,2-Dichloropropane	9.624	63	179442	49.759	ug/l	99
46) Dibromomethane	9.712	93	131418	49.133	ug/l	98
47) Bromodichloromethane	9.888	83	269647	51.408	ug/l	98
48) Methyl methacrylate	9.682	41	154080	53.754	ug/l	99
49) 1,4-Dioxane	9.694	88	63402	899.721	ug/l	99
51) 4-Methyl-2-Pentanone	10.447	43	980438	254.738	ug/l	99
52) Toluene	10.629	92	494571	51.243	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	277086	53.965	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	309677	54.932	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	192358	50.778	ug/l	98
56) Ethyl methacrylate	10.876	69	277089	55.067	ug/l	99
57) 1,3-Dichloropropane	11.165	76	309384	49.789	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	445420	278.033	ug/l	100
59) 2-Hexanone	11.200	43	742140	264.406	ug/l	100
60) Dibromochloromethane	11.359	129	217766	51.690	ug/l	99
61) 1,2-Dibromoethane	11.470	107	195097	50.891	ug/l	99
64) Tetrachloroethene	11.106	164	185786	50.765	ug/l	97
65) Chlorobenzene	11.894	112	534787	50.099	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	204412	51.699	ug/l	100
67) Ethyl Benzene	11.965	91	964600	53.541	ug/l	100
68) m/p-Xylenes	12.070	106	768430	107.763	ug/l	100
69) o-Xylene	12.400	106	378191	53.594	ug/l	99
70) Styrene	12.412	104	629150	56.074	ug/l	100
71) Bromoform	12.582	173	153923	53.500	ug/l #	100
73) Isopropylbenzene	12.700	105	999618	53.059	ug/l	100
74) N-amyl acetate	12.494	43	294557	53.294	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	268417	46.087	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	199397m	37.943	ug/l	
77) Bromobenzene	12.982	156	234349	49.151	ug/l	98
78) n-propylbenzene	13.035	91	1134506	54.598	ug/l	100
79) 2-Chlorotoluene	13.129	91	661190	50.974	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	838856	53.200	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	79004	54.113	ug/l	99
82) 4-Chlorotoluene	13.129	91	661190	50.974	ug/l	100
83) tert-Butylbenzene	13.441	119	748587	53.846	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	850224	54.353	ug/l	98
85) sec-Butylbenzene	13.617	105	1059047	55.192	ug/l	98
86) p-Isopropyltoluene	13.729	119	917098	57.439	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	448143	50.883	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	445704	49.538	ug/l	99
89) n-Butylbenzene	14.059	91	761296	58.856	ug/l	100
90) Hexachloroethane	14.335	117	154212	53.994	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	442835	51.046	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	47085	45.561	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	236296	55.018	ug/l	99
94) Hexachlorobutadiene	15.506	225	125126	53.399	ug/l	99
95) Naphthalene	15.641	128	677870	47.872	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	223984	55.798	ug/l	99

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

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