

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062322\
 Data File : VN073063.D
 Acq On : 23 Jun 2022 21:08
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/24/2022
 Supervised By : Mahesh Dadoda 06/28/2022

Quant Time: Jun 24 01:21:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	276048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	483234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	429184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	200815	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	201951	54.112	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.220%			
35) Dibromofluoromethane	7.951	113	156057	52.248	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.500%			
50) Toluene-d8	10.375	98	582440	52.406	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.820%			
62) 4-Bromofluorobenzene	12.669	95	219674	54.967	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	133699	50.869	ug/l	100
3) Chloromethane	2.269	50	125119	44.350	ug/l	97
4) Vinyl Chloride	2.405	62	115820	49.137	ug/l	99
5) Bromomethane	2.793	94	39850	42.948	ug/l	97
6) Chloroethane	2.957	64	72608	49.238	ug/l	98
7) Trichlorofluoromethane	3.316	101	235567	61.371	ug/l	99
8) Diethyl Ether	3.763	74	103375	52.184	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.140	101	135301	50.994	ug/l	99
10) Methyl Iodide	4.346	142	115918	38.116	ug/l	98
11) Tert butyl alcohol	5.293	59	241572	250.580	ug/l	100
12) 1,1-Dichloroethene	4.116	96	129568	49.024	ug/l	94
13) Acrolein	3.987	56	79323	208.918	ug/l	96
14) Allyl chloride	4.763	41	277544	49.152	ug/l #	93
15) Acrylonitrile	5.475	53	593724	267.162	ug/l	99
16) Acetone	4.222	43	527919	257.332	ug/l	98
17) Carbon Disulfide	4.457	76	274724	40.570	ug/l	99
18) Methyl Acetate	4.781	43	286520	52.447	ug/l	91
19) Methyl tert-butyl Ether	5.534	73	547449	55.154	ug/l	100
20) Methylene Chloride	5.010	84	164243	51.623	ug/l	95
21) trans-1,2-Dichloroethene	5.516	96	136645	47.531	ug/l	96
22) Diisopropyl ether	6.410	45	582473	55.333	ug/l	95
23) Vinyl Acetate	6.351	43	2654778	273.201	ug/l	95
24) 1,1-Dichloroethane	6.304	63	293114	53.112	ug/l	99
25) 2-Butanone	7.263	43	850947	261.393	ug/l	90
26) 2,2-Dichloropropane	7.251	77	200399	43.671	ug/l	100
27) cis-1,2-Dichloroethene	7.245	96	178092	51.851	ug/l	99
28) Bromochloromethane	7.581	49	121575	53.266	ug/l	85
29) Tetrahydrofuran	7.610	42	561722	261.296	ug/l	89
30) Chloroform	7.745	83	305047	54.600	ug/l	98
31) Cyclohexane	8.022	56	235925	46.733	ug/l	93
32) 1,1,1-Trichloroethane	7.939	97	264678	53.985	ug/l	100
36) 1,1-Dichloropropene	8.151	75	204504	50.601	ug/l	98
37) Ethyl Acetate	7.339	43	340879	52.731	ug/l	95
38) Carbon Tetrachloride	8.134	117	220130	51.782	ug/l	99
39) Methylcyclohexane	9.392	83	230934	47.406	ug/l	94
40) Benzene	8.386	78	641079	50.473	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	171250	55.864	ug/l #	84
42) 1,2-Dichloroethane	8.463	62	245830	54.492	ug/l	97
43) Isopropyl Acetate	8.492	43	498300	53.925	ug/l	95
44) Trichloroethene	9.151	130	163657	50.844	ug/l	96
45) 1,2-Dichloropropane	9.428	63	172073	53.000	ug/l	95
46) Dibromomethane	9.510	93	117383	53.471	ug/l	94
47) Bromodichloromethane	9.698	83	243969	55.920	ug/l	100
48) Methyl methacrylate	9.498	41	225511	53.452	ug/l	90
49) 1,4-Dioxane	9.504	88	87765	924.538	ug/l #	92
51) 4-Methyl-2-Pentanone	10.269	43	1652901	274.301	ug/l	92
52) Toluene	10.439	92	407379	52.241	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	256178	54.599	ug/l	100
54) cis-1,3-Dichloropropene	10.128	75	270583	52.796	ug/l #	91
55) 1,1,2-Trichloroethane	10.833	97	176435	51.529	ug/l	98
56) Ethyl methacrylate	10.698	69	304911	55.559	ug/l #	85
57) 1,3-Dichloropropane	10.980	76	300532	52.906	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	684222	282.394	ug/l	96
59) 2-Hexanone	11.022	43	1279623	274.558	ug/l	90
60) Dibromochloromethane	11.175	129	185949	57.464	ug/l	99
61) 1,2-Dibromoethane	11.280	107	180639	53.515	ug/l	98
64) Tetrachloroethene	10.910	164	132081	50.588	ug/l	95
65) Chlorobenzene	11.704	112	432271	51.573	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.774	131	173339	54.335	ug/l	97
67) Ethyl Benzene	11.780	91	797462	54.047	ug/l	99
68) m/p-Xylenes	11.886	106	601713	103.975	ug/l	96
69) o-Xylene	12.216	106	306870	53.067	ug/l	98
70) Styrene	12.227	104	506923	54.587	ug/l	99
71) Bromoform	12.392	173	139200	57.870	ug/l #	98
73) Isopropylbenzene	12.516	105	800841	51.549	ug/l	99
74) N-amyl acetate	12.327	43	427753	53.058	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.763	83	280284	50.096	ug/l	100
76) 1,2,3-Trichloropropane	12.816	75	257543m	52.897	ug/l	
77) Bromobenzene	12.798	156	190456	51.173	ug/l	91
78) n-propylbenzene	12.857	91	912947	53.425	ug/l	98
79) 2-Chlorotoluene	12.945	91	565492	51.103	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	659543	51.684	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.563	75	90833	50.384	ug/l	97
82) 4-Chlorotoluene	13.039	91	547748	52.318	ug/l	97
83) tert-Butylbenzene	13.257	119	608858	52.096	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	664952	52.316	ug/l	98
85) sec-Butylbenzene	13.433	105	816380	52.363	ug/l	99
86) p-Isopropyltoluene	13.551	119	666699	52.818	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	336048	50.575	ug/l	99
88) 1,4-Dichlorobenzene	13.627	146	333453	49.582	ug/l	98
89) n-Butylbenzene	13.874	91	545253	52.902	ug/l	99
90) Hexachloroethane	14.145	117	128264	53.901	ug/l	88
91) 1,2-Dichlorobenzene	13.921	146	348221	50.252	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	72974	51.724	ug/l	91
93) 1,2,4-Trichlorobenzene	15.192	180	191686	49.984	ug/l	99
94) Hexachlorobutadiene	15.298	225	75689	45.355	ug/l	98
95) Naphthalene	15.427	128	744968	48.021	ug/l	100
96) 1,2,3-Trichlorobenzene	15.621	180	191635	46.796	ug/l	98

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

