

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061622\
 Data File : VN072883.D
 Acq On : 16 Jun 2022 12:16
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2022
 Supervised By : Mahesh Dadoda 06/30/2022

Quant Time: Jun 17 05:35:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061622W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 17 05:32:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	254210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	414303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	430680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	224840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	251733	53.599	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.200%			
35) Dibromofluoromethane	7.945	113	200652	53.317	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.640%			
50) Toluene-d8	10.374	98	768267	52.154	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.300%			
62) 4-Bromofluorobenzene	12.663	95	282777	55.337	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 110.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	191352	54.010	ug/l	96
3) Chloromethane	2.269	50	210106	51.703	ug/l	99
4) Vinyl Chloride	2.404	62	163785	52.533	ug/l	98
5) Bromomethane	2.787	94	71043	58.311	ug/l	92
6) Chloroethane	2.957	64	93768	51.155	ug/l	95
7) Trichlorofluoromethane	3.310	101	309532	52.311	ug/l	98
8) Diethyl Ether	3.769	74	132501	53.150	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.140	101	171038	51.100	ug/l	97
10) Methyl Iodide	4.351	142	237005	56.020	ug/l	100
11) Tert butyl alcohol	5.292	59	315434	257.949	ug/l	100
12) 1,1-Dichloroethene	4.116	96	179624	50.667	ug/l	94
13) Acrolein	3.981	56	93809	243.147	ug/l	99
14) Allyl chloride	4.757	41	369429	51.409	ug/l	94
15) Acrylonitrile	5.475	53	708538	267.003	ug/l	100
16) Acetone	4.222	43	620565	261.776	ug/l	96
17) Carbon Disulfide	4.457	76	487047	50.763	ug/l	100
18) Methyl Acetate	4.775	43	328858	48.663	ug/l	94
19) Methyl tert-butyl Ether	5.534	73	683630	52.708	ug/l	99
20) Methylene Chloride	5.016	84	218380	51.503	ug/l	96
21) trans-1,2-Dichloroethene	5.510	96	189064	50.407	ug/l	99
22) Diisopropyl ether	6.416	45	700679	52.742	ug/l	97
23) Vinyl Acetate	6.351	43	3251073	269.247	ug/l	96
24) 1,1-Dichloroethane	6.304	63	365354	52.527	ug/l	100
25) 2-Butanone	7.263	43	1004375	266.014	ug/l	93
26) 2,2-Dichloropropane	7.245	77	314589	50.068	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	229149	50.401	ug/l	99
28) Bromochloromethane	7.580	49	150944	50.646	ug/l	93
29) Tetrahydrofuran	7.610	42	670454	267.851	ug/l	90
30) Chloroform	7.745	83	369527	51.483	ug/l	99
31) Cyclohexane	8.022	56	317770	50.466	ug/l	96
32) 1,1,1-Trichloroethane	7.939	97	338569	53.268	ug/l	98
36) 1,1-Dichloropropene	8.145	75	264358	51.435	ug/l	100
37) Ethyl Acetate	7.339	43	407026	54.721	ug/l	96
38) Carbon Tetrachloride	8.133	117	287534	51.961	ug/l	97
39) Methylcyclohexane	9.392	83	327710	51.372	ug/l	95
40) Benzene	8.386	78	844606	51.576	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	199090	51.413	ug/l #	85
42) 1,2-Dichloroethane	8.463	62	306174	51.852	ug/l	99
43) Isopropyl Acetate	8.492	43	608808	52.588	ug/l	95
44) Trichloroethene	9.145	130	221463	50.583	ug/l	94
45) 1,2-Dichloropropane	9.422	63	212673	51.468	ug/l	97
46) Dibromomethane	9.510	93	149508	52.139	ug/l	97
47) Bromodichloromethane	9.698	83	304322	52.393	ug/l	99
48) Methyl methacrylate	9.492	41	279755	52.905	ug/l	93
49) 1,4-Dioxane	9.504	88	120406	1074.966	ug/l #	95
51) 4-Methyl-2-Pentanone	10.269	43	1953464	260.845	ug/l	93
52) Toluene	10.439	92	545257	51.451	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	347399	52.493	ug/l	96
54) cis-1,3-Dichloropropene	10.122	75	363945	52.969	ug/l	93
55) 1,1,2-Trichloroethane	10.833	97	220758	51.598	ug/l	99
56) Ethyl methacrylate	10.698	69	388233	53.434	ug/l	89
57) 1,3-Dichloropropane	10.980	76	380396	52.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.974	63	718379	279.710	ug/l	98
59) 2-Hexanone	11.021	43	1507215	271.035	ug/l	92
60) Dibromochloromethane	11.174	129	244699	53.307	ug/l	99
61) 1,2-Dibromoethane	11.280	107	243067	52.201	ug/l	98
64) Tetrachloroethene	10.910	164	202778	49.039	ug/l	96
65) Chlorobenzene	11.704	112	584854	51.538	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.774	131	225327	51.359	ug/l	97
67) Ethyl Benzene	11.780	91	1037374	51.752	ug/l	99
68) m/p-Xylenes	11.886	106	791162	102.742	ug/l	97
69) o-Xylene	12.216	106	398080	50.386	ug/l	98
70) Styrene	12.227	104	644734	52.721	ug/l	99
71) Bromoform	12.392	173	191466	54.010	ug/l #	98
73) Isopropylbenzene	12.515	105	1012240	47.208	ug/l	99
74) N-amyl acetate	12.321	43	484711	52.826	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.763	83	339478	48.421	ug/l	99
76) 1,2,3-Trichloropropane	12.815	75	317412m	47.354	ug/l	
77) Bromobenzene	12.792	156	242510	48.395	ug/l	93
78) n-propylbenzene	12.857	91	1129668	50.517	ug/l	99
79) 2-Chlorotoluene	12.939	91	707618	48.547	ug/l	98
80) 1,3,5-Trimethylbenzene	12.992	105	827101	48.134	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.563	75	119143	50.698	ug/l	100
82) 4-Chlorotoluene	13.039	91	664913	49.498	ug/l	98
83) tert-Butylbenzene	13.257	119	731421	47.555	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	811003	49.093	ug/l	97
85) sec-Butylbenzene	13.433	105	1001218	50.213	ug/l	99
86) p-Isopropyltoluene	13.551	119	815801	50.692	ug/l	99
87) 1,3-Dichlorobenzene	13.551	146	399845	48.985	ug/l	99
88) 1,4-Dichlorobenzene	13.627	146	395317	48.098	ug/l	99
89) n-Butylbenzene	13.874	91	648599	52.435	ug/l	99
90) Hexachloroethane	14.139	117	167134	48.035	ug/l	91
91) 1,2-Dichlorobenzene	13.921	146	401630	48.650	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.533	75	76871	45.177	ug/l	95
93) 1,2,4-Trichlorobenzene	15.186	180	212531	51.516	ug/l	98
94) Hexachlorobutadiene	15.298	225	95050	46.544	ug/l	98
95) Naphthalene	15.427	128	756415	53.100	ug/l	99
96) 1,2,3-Trichlorobenzene	15.621	180	212505	51.870	ug/l	99

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

