

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111122\
 Data File : VN075238.D
 Acq On : 11 Nov 2022 10:45
 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 11/14/2022
 Supervised By : Mahesh Dadoda 11/14/2022

Quant Time: Nov 14 03:42:28 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	124441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	215958	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	199470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	112564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	74003	44.136	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 88.280%			
35) Dibromofluoromethane	8.171	113	67018	52.862	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.720%			
50) Toluene-d8	10.571	98	242602	49.323	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.640%			
62) 4-Bromofluorobenzene	12.847	95	91566	52.995	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	73288	45.272	ug/l	100
3) Chloromethane	2.371	50	70717	41.127	ug/l	95
4) Vinyl Chloride	2.518	62	99274	40.470	ug/l	94
5) Bromomethane	2.918	94	99575	57.430	ug/l	98
6) Chloroethane	3.101	64	72038	40.954	ug/l	95
7) Trichlorofluoromethane	3.489	101	121231	48.379	ug/l	96
8) Diethyl Ether	3.971	74	43987	48.126	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.383	101	69809	50.445	ug/l	97
10) Methyl Iodide	4.589	142	106367	51.629	ug/l	98
11) Tert butyl alcohol	5.548	59	83489	213.520	ug/l	99
12) 1,1-Dichloroethene	4.348	96	65423	49.597	ug/l	94
13) Acrolein	4.189	56	76314	238.611	ug/l	100
14) Allyl chloride	5.030	41	92770	48.153	ug/l	96
15) Acrylonitrile	5.730	53	200775	243.074	ug/l	99
16) Acetone	4.436	43	196018	276.099	ug/l	97
17) Carbon Disulfide	4.712	76	162074	48.859	ug/l	99
18) Methyl Acetate	5.036	43	110891	47.818	ug/l	95
19) Methyl tert-butyl Ether	5.806	73	239553	48.861	ug/l	98
20) Methylene Chloride	5.283	84	78298	49.463	ug/l	91
21) trans-1,2-Dichloroethene	5.789	96	74347	51.476	ug/l	93
22) Diisopropyl ether	6.683	45	199555	46.936	ug/l	99
23) Vinyl Acetate	6.612	43	839891m	236.568	ug/l	
24) 1,1-Dichloroethane	6.577	63	128434	47.764	ug/l	100
25) 2-Butanone	7.489	43	274865	246.143	ug/l	96
26) 2,2-Dichloropropane	7.494	77	122358	49.464	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	90266	52.335	ug/l	94
28) Bromochloromethane	7.818	49	49629	43.783	ug/l	90
29) Tetrahydrofuran	7.847	42	172324	238.811	ug/l	99
30) Chloroform	7.971	83	145457	49.823	ug/l	100
31) Cyclohexane	8.259	56	112687	45.188	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	133841	50.483	ug/l	97
36) 1,1-Dichloropropene	8.377	75	106378	54.199	ug/l	97
37) Ethyl Acetate	7.565	43	102450	47.596	ug/l	98
38) Carbon Tetrachloride	8.365	117	122027	56.519	ug/l	97
39) Methylcyclohexane	9.600	83	141800	54.725	ug/l	97
40) Benzene	8.612	78	321308	53.465	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	52727	51.128	ug/l	97
42) 1,2-Dichloroethane	8.677	62	109828	50.232	ug/l	97
43) Isopropyl Acetate	8.694	43	166170	49.769	ug/l	97
44) Trichloroethene	9.353	130	84695	56.173	ug/l	96
45) 1,2-Dichloropropane	9.624	63	77221	53.994	ug/l	99
46) Dibromomethane	9.712	93	59078	53.021	ug/l	96
47) Bromodichloromethane	9.888	83	112642	52.203	ug/l	98
48) Methyl methacrylate	9.683	41	74124	48.397	ug/l	97
49) 1,4-Dioxane	9.700	88	42563	1061.265	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	542166	251.637	ug/l	98
52) Toluene	10.630	92	220105	54.790	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	122804	53.920	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	131278	54.345	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	85706	53.805	ug/l	97
56) Ethyl methacrylate	10.877	69	129420	53.265	ug/l	96
57) 1,3-Dichloropropane	11.165	76	141346	53.284	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	238932	254.364	ug/l	97
59) 2-Hexanone	11.200	43	412508	252.262	ug/l	97
60) Dibromochloromethane	11.359	129	95415	56.776	ug/l	98
61) 1,2-Dibromoethane	11.471	107	91913	56.305	ug/l	100
64) Tetrachloroethene	11.106	164	80161	65.549	ug/l	98
65) Chlorobenzene	11.894	112	235588	55.332	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	88950	56.317	ug/l	99
67) Ethyl Benzene	11.965	91	422362	55.137	ug/l	99
68) m/p-Xylenes	12.077	106	349466	113.697	ug/l	99
69) o-Xylene	12.400	106	168589	55.463	ug/l	97
70) Styrene	12.412	104	278579	57.477	ug/l	98
71) Bromoform	12.582	173	71346	60.333	ug/l #	99
73) Isopropylbenzene	12.694	105	442076	48.919	ug/l	98
74) N-amyl acetate	12.494	43	147404	44.103	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	133068	51.027	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	131725m	55.114	ug/l	
77) Bromobenzene	12.982	156	103450	51.990	ug/l	90
78) n-propylbenzene	13.035	91	510930	50.358	ug/l	98
79) 2-Chlorotoluene	13.129	91	299860	48.365	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	391879	51.630	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	42187	45.310	ug/l	91
82) 4-Chlorotoluene	13.129	91	299860	48.365	ug/l	96
83) tert-Butylbenzene	13.441	119	342468	50.778	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	394015	51.307	ug/l	100
85) sec-Butylbenzene	13.618	105	484168	51.317	ug/l	99
86) p-Isopropyltoluene	13.729	119	423159	54.307	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	213111	54.701	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	209053	54.219	ug/l	99
89) n-Butylbenzene	14.059	91	347129	55.322	ug/l	99
90) Hexachloroethane	14.335	117	71672	50.168	ug/l	89
91) 1,2-Dichlorobenzene	14.106	146	209732	54.150	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	28172	46.217	ug/l	86
93) 1,2,4-Trichlorobenzene	15.394	180	104167	62.500	ug/l	99
94) Hexachlorobutadiene	15.500	225	49053	60.372	ug/l	98
95) Naphthalene	15.641	128	365819	57.076	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	101489	61.285	ug/l	99

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

