

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061423\
 Data File : VN078192.D
 Acq On : 14 Jun 2023 09:19
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/15/2023
 Supervised By : Mahesh Dadoda 06/15/2023

Quant Time: Jun 15 02:30:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	454041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	794748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	698374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	274151	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	300978	49.718	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.440%		
35) Dibromofluoromethane	8.171	113	257936	51.330	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.660%		
50) Toluene-d8	10.571	98	983580	50.773	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.540%		
62) 4-Bromofluorobenzene	12.853	95	311502	51.724	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.440%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	207307	40.391	ug/l	99
3) Chloromethane	2.371	50	226715	46.838	ug/l	99
4) Vinyl Chloride	2.524	62	286061	42.564	ug/l	96
5) Bromomethane	2.954	94	213170	41.970	ug/l	94
6) Chloroethane	3.124	64	204070	44.543	ug/l	96
7) Trichlorofluoromethane	3.506	101	400177	43.909	ug/l	100
8) Diethyl Ether	3.971	74	139817	43.661	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.389	101	222553	46.271	ug/l	98
10) Methyl Iodide	4.595	142	306404	45.046	ug/l	98
11) Tert butyl alcohol	5.536	59	184108	220.252	ug/l	99
12) 1,1-Dichloroethene	4.348	96	212215	42.801	ug/l	88
13) Acrolein	4.189	56	192355	208.794	ug/l	96
14) Allyl chloride	5.036	41	291862	48.223	ug/l	92
15) Acrylonitrile	5.724	53	508588	235.995	ug/l	100
16) Acetone	4.436	43	528979	303.576	ug/l	94
17) Carbon Disulfide	4.724	76	555524	43.530	ug/l	99
18) Methyl Acetate	5.036	43	363989	45.372	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	748274	47.301	ug/l	98
20) Methylene Chloride	5.289	84	254141	44.136	ug/l	89
21) trans-1,2-Dichloroethene	5.800	96	239197	44.729	ug/l	89
22) Diisopropyl ether	6.683	45	718263	50.452	ug/l #	94
23) Vinyl Acetate	6.612	43	2082896	246.122	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	457622	48.727	ug/l	97
25) 2-Butanone	7.489	43	697082	260.146	ug/l #	87
26) 2,2-Dichloropropane	7.494	77	409282	59.021	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	289765	45.427	ug/l	92
28) Bromochloromethane	7.818	49	221114	51.278	ug/l	90
29) Tetrahydrofuran	7.841	42	416158	232.320	ug/l	85
30) Chloroform	7.971	83	497654	49.209	ug/l	93
31) Cyclohexane	8.265	56	338262	43.559	ug/l	93
32) 1,1,1-Trichloroethane	8.171	97	437158	49.238	ug/l	95
36) 1,1-Dichloropropene	8.377	75	354680	49.207	ug/l	97
37) Ethyl Acetate	7.565	43	267252	47.463	ug/l #	94
38) Carbon Tetrachloride	8.365	117	384284	50.492	ug/l	99
39) Methylcyclohexane	9.606	83	326384	43.694	ug/l	90
40) Benzene	8.612	78	1061034	49.308	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	136840	44.835	ug/l	92
42) 1,2-Dichloroethane	8.677	62	369291	50.052	ug/l	98
43) Isopropyl Acetate	8.694	43	483365	44.886	ug/l	94
44) Trichloroethene	9.359	130	277212	48.781	ug/l	97
45) 1,2-Dichloropropane	9.624	63	273336	51.054	ug/l	97
46) Dibromomethane	9.718	93	190122	48.212	ug/l	96
47) Bromodichloromethane	9.894	83	390456	53.304	ug/l	99
48) Methyl methacrylate	9.688	41	229036	50.681	ug/l	88
49) 1,4-Dioxane	9.700	88	84693	891.672	ug/l #	90
51) 4-Methyl-2-Pentanone	10.447	43	1405187	247.800	ug/l	93
52) Toluene	10.635	92	670184	49.328	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	413017	54.140	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	447229	53.034	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	265451	51.649	ug/l	96
56) Ethyl methacrylate	10.877	69	380978	50.909	ug/l	91
57) 1,3-Dichloropropane	11.171	76	446144	51.427	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	780022	258.018	ug/l	92
59) 2-Hexanone	11.200	43	1020144	258.367	ug/l	92
60) Dibromochloromethane	11.365	129	292587	52.025	ug/l	99
61) 1,2-Dibromoethane	11.477	107	258956	48.012	ug/l	100
64) Tetrachloroethene	11.106	164	225559	48.413	ug/l	97
65) Chlorobenzene	11.894	112	718447	48.037	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	271247	49.310	ug/l	99
67) Ethyl Benzene	11.971	91	1268843	49.168	ug/l	99
68) m/p-Xylenes	12.077	106	978239	99.466	ug/l	100
69) o-Xylene	12.406	106	473765	49.054	ug/l	97
70) Styrene	12.418	104	756302	49.741	ug/l	96
71) Bromoform	12.582	173	182819	51.499	ug/l #	99
73) Isopropylbenzene	12.700	105	1184901	45.706	ug/l	100
74) N-amyl acetate	12.500	43	388470	45.504	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	358630	50.312	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	288267m	44.479	ug/l	
77) Bromobenzene	12.982	156	269770	44.827	ug/l	99
78) n-propylbenzene	13.041	91	1329092	47.187	ug/l	99
79) 2-Chlorotoluene	13.129	91	819591	45.079	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	950902	45.305	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	110138	52.211	ug/l	94
82) 4-Chlorotoluene	13.224	91	801358	47.226	ug/l	99
83) tert-Butylbenzene	13.441	119	793012	43.465	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	946348	46.505	ug/l	99
85) sec-Butylbenzene	13.623	105	1029502	43.111	ug/l	99
86) p-Isopropyltoluene	13.735	119	841838	43.441	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	464990	45.678	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	455432	46.365	ug/l	100
89) n-Butylbenzene	14.059	91	642323	42.023	ug/l	98
90) Hexachloroethane	14.341	117	155060	45.088	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	456339	45.869	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	56976	44.370	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	157969	44.565	ug/l	97
94) Hexachlorobutadiene	15.506	225	75109	42.844	ug/l	99
95) Naphthalene	15.647	128	498297	41.791	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	165672	41.789	ug/l	96

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

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