

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080320\
 Data File : VN062745.D
 Acq On : 3 Aug 2020 19:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/4/2020 1:52:08 PM

Quant Time: Aug 04 05:23:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	144465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	236682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	220267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	110609	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	114876	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
35) Dibromofluoromethane	7.55	113	75845	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	10.06	98	284903	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	
62) 4-Bromofluorobenzene	12.38	95	109483	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	72737	42.210	ug/l	99
3) Chloromethane	2.03	50	78964	33.786	ug/l	98
4) Vinyl Chloride	2.16	62	76503	37.759	ug/l	98
5) Bromomethane	2.50	94	38552	42.960	ug/l	95
6) Chloroethane	2.65	64	49601	54.120	ug/l	98
7) Trichlorofluoromethane	2.97	101	135007	56.753	ug/l	100
8) Diethyl Ether	3.37	74	45235	40.663	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.71	101	67274	44.108	ug/l	99
10) Methyl Iodide	3.91	142	75481	38.710	ug/l	94
11) Tert butyl alcohol	4.74	59	72942	204.315	ug/l	99
12) 1,1-Dichloroethene	3.69	96	64913	41.965	ug/l	96
13) Acrolein	3.56	56	53947	148.445	ug/l	98
14) Allyl chloride	4.27	41	120644	36.056	ug/l	90
15) Acrylonitrile	4.93	53	194669	203.579	ug/l	99
16) Acetone	3.77	43	162318	192.204	ug/l	97
17) Carbon Disulfide	4.00	76	179249	35.268	ug/l	99
18) Methyl Acetate	4.28	43	95398	44.622	ug/l	94
19) Methyl tert-butyl Ether	4.99	73	259254	45.536	ug/l	98
20) Methylene Chloride	4.50	84	80893	39.938	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	70880	41.286	ug/l	92
22) Diisopropyl ether	5.90	45	257977	38.788	ug/l	96
23) Vinyl Acetate	5.84	43	1078217	197.850	ug/l	97
24) 1,1-Dichloroethane	5.80	63	150206	41.939	ug/l	99
25) 2-Butanone	6.79	43	252737	196.505	ug/l	96
26) 2,2-Dichloropropane	6.78	77	129368	44.001	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	81593	41.649	ug/l	99
28) Bromochloromethane	7.15	49	70105	39.774	ug/l	89
29) Tetrahydrofuran	7.17	42	164181	188.651	ug/l	92
30) Chloroform	7.33	83	155914	45.786	ug/l	98
31) Cyclohexane	7.61	56	116352	35.186	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	144240	50.734	ug/l	97
36) 1,1-Dichloropropene	7.75	75	110661	43.865	ug/l	99
37) Ethyl Acetate	6.88	43	107600	39.567	ug/l	98
38) Carbon Tetrachloride	7.73	117	125662	51.821	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	116105	42.754	ug/l	97
40) Benzene	8.00	78	318886	41.752	ug/l	100
41) Methacrylonitrile	7.14	41	52457m	45.009	ug/l	
42) 1,2-Dichloroethane	8.09	62	138159	49.479	ug/l	97
43) Isopropyl Acetate	8.13	43	181886	41.490	ug/l #	91
44) Trichloroethene	8.80	130	75481	43.824	ug/l	99
45) 1,2-Dichloropropane	9.09	63	86483	40.330	ug/l	100
46) Dibromomethane	9.18	93	57880	46.700	ug/l	97
47) Bromodichloromethane	9.37	83	129158	48.101	ug/l	97
48) Methyl methacrylate	9.17	41	89272	42.838	ug/l	94
49) 1,4-Dioxane	9.17	88	28867	901.891	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	551136	210.112	ug/l	98
52) Toluene	10.12	92	196436	44.293	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	139894	46.800	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	143863	44.853	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	79859	46.423	ug/l	95
56) Ethyl methacrylate	10.40	69	127935	41.721	ug/l	94
57) 1,3-Dichloropropane	10.68	76	140429	44.559	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	196026	213.208	ug/l	96
59) 2-Hexanone	10.72	43	404752	200.121	ug/l	99
60) Dibromochloromethane	10.87	129	94837	49.417	ug/l	98
61) 1,2-Dibromoethane	10.98	107	80595	44.992	ug/l	98
64) Tetrachloroethene	10.60	164	65388	45.690	ug/l	97
65) Chlorobenzene	11.41	112	209678	45.407	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	83892	48.292	ug/l	96
67) Ethyl Benzene	11.48	91	384137	45.370	ug/l	99
68) m/p-Xylenes	11.60	106	286135	94.025	ug/l	99
69) o-Xylene	11.92	106	136612	47.274	ug/l	98
70) Styrene	11.94	104	237073	48.565	ug/l	97
71) Bromoform	12.10	173	67771	51.958	ug/l #	99
73) Isopropylbenzene	12.22	105	381253	43.592	ug/l	99
74) N-amyl acetate	12.05	43	155529	39.820	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	119714	39.390	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	118733m	42.173	ug/l	
77) Bromobenzene	12.50	156	90422	43.021	ug/l	94
78) n-propylbenzene	12.57	91	441548	43.100	ug/l	99
79) 2-Chlorotoluene	12.65	91	270329	42.817	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	344521	47.489	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	41193	40.730	ug/l	92
82) 4-Chlorotoluene	12.75	91	285567	43.454	ug/l	99
83) tert-Butylbenzene	12.97	119	280293	46.529	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	341154	47.936	ug/l	96
85) sec-Butylbenzene	13.15	105	367903	45.617	ug/l	99
86) p-Isopropyltoluene	13.26	119	337134	48.603	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	164562	44.616	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	162734	44.820	ug/l	99
89) n-Butylbenzene	13.59	91	275182	46.171	ug/l	99
90) Hexachloroethane	13.85	117	62585	42.383	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	159468	45.216	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	26823	48.610	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	78013	42.562	ug/l	99
94) Hexachlorobutadiene	14.98	225	50097	52.529	ug/l	96
95) Naphthalene	15.10	128	201802	41.701	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	76311	45.914	ug/l	99

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

