

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041420\
 Data File : VN060923.D
 Acq On : 14 Apr 2020 10:12
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/15/2020 1:49:51 PM

Quant Time: Apr 15 08:01:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	152406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	253037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	231960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	111450	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	97896	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
35) Dibromofluoromethane	7.56	113	72964	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
50) Toluene-d8	10.08	98	291876	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
62) 4-Bromofluorobenzene	12.39	95	110863	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	61669	41.819	ug/l 98
3) Chloromethane	2.04	50	116734	42.384	ug/l 100
4) Vinyl Chloride	2.17	62	91295	42.380	ug/l 100
5) Bromomethane	2.54	94	43640	46.928	ug/l 99
6) Chloroethane	2.68	64	58850	47.424	ug/l 98
7) Trichlorofluoromethane	3.00	101	126144	47.536	ug/l 100
8) Diethyl Ether	3.38	74	54670	51.284	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	78897	51.310	ug/l 99
10) Methyl Iodide	3.92	142	58226	42.555	ug/l 99
11) Tert butyl alcohol	4.72	59	81752	265.692	ug/l 99
12) 1,1-Dichloroethene	3.71	96	76957	46.638	ug/l 97
13) Acrolein	3.57	56	103504	303.516	ug/l 100
14) Allyl chloride	4.29	41	146445	50.461	ug/l 97
15) Acrylonitrile	4.93	53	235724	260.525	ug/l 100
16) Acetone	3.77	43	243981	329.217	ug/l 100
17) Carbon Disulfide	4.03	76	208287	41.505	ug/l 100
18) Methyl Acetate	4.28	43	114806	55.037	ug/l 99
19) Methyl tert-butyl Ether	5.00	73	286086	50.428	ug/l 99
20) Methylene Chloride	4.52	84	89083	48.865	ug/l 98
21) trans-1,2-Dichloroethene	5.00	96	82566	46.949	ug/l 95
22) Diisopropyl ether	5.91	45	333296	54.360	ug/l 95
23) Vinyl Acetate	5.85	43	1350773	270.012	ug/l 99
24) 1,1-Dichloroethane	5.81	63	172977	51.751	ug/l 100
25) 2-Butanone	6.79	43	340440	283.884	ug/l 97
26) 2,2-Dichloropropane	6.79	77	147369	56.037	ug/l 100
27) cis-1,2-Dichloroethene	6.79	96	98846	49.461	ug/l 96
28) Bromochloromethane	7.16	49	84307	52.719	ug/l 95
29) Tetrahydrofuran	7.17	42	214349	252.622	ug/l 98
30) Chloroform	7.34	83	163847	51.133	ug/l 100
31) Cyclohexane	7.63	56	157008	46.594	ug/l 97
32) 1,1,1-Trichloroethane	7.54	97	137933	49.933	ug/l 99
36) 1,1-Dichloropropene	7.77	75	124303	50.732	ug/l 100
37) Ethyl Acetate	6.89	43	135988	51.365	ug/l 99
38) Carbon Tetrachloride	7.75	117	110772	50.443	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	149268	51.264	ug/l	96
40) Benzene	8.01	78	376222	50.865	ug/l	100
41) Methacrylonitrile	7.14	41	60002m	53.105	ug/l	
42) 1,2-Dichloroethane	8.10	62	130040	51.445	ug/l	99
43) Isopropyl Acetate	8.13	43	228410	52.313	ug/l	100
44) Trichloroethene	8.82	130	92491	49.604	ug/l	100
45) 1,2-Dichloropropane	9.10	63	104760	53.676	ug/l	99
46) Dibromomethane	9.19	93	60838	51.561	ug/l	99
47) Bromodichloromethane	9.38	83	130667	53.293	ug/l	97
48) Methyl methacrylate	9.18	41	103604	53.295	ug/l	98
49) 1,4-Dioxane	9.18	88	27406	1186.089	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	673544	271.092	ug/l	99
52) Toluene	10.14	92	227638	50.960	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	152597	54.181	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	163844	53.028	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	90325	52.560	ug/l	99
56) Ethyl methacrylate	10.41	69	143599	53.591	ug/l	98
57) 1,3-Dichloropropane	10.69	76	157354	52.765	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	292265	219.456	ug/l	99
59) 2-Hexanone	10.74	43	501785	280.365	ug/l	99
60) Dibromochloromethane	10.89	129	94337	53.143	ug/l	100
61) 1,2-Dibromoethane	10.99	107	90289	52.249	ug/l	99
64) Tetrachloroethene	10.62	164	85467	46.823	ug/l	99
65) Chlorobenzene	11.42	112	235524	51.219	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	87656	52.649	ug/l	99
67) Ethyl Benzene	11.50	91	444122	51.936	ug/l	100
68) m/p-Xylenes	11.61	106	326778	102.833	ug/l	98
69) o-Xylene	11.94	106	156815	51.694	ug/l	99
70) Styrene	11.96	104	264242	53.260	ug/l	100
71) Bromoform	12.12	173	67503	48.823	ug/l #	99
73) Isopropylbenzene	12.24	105	428452	51.227	ug/l	99
74) N-amyl acetate	12.06	43	199497	51.618	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	131207	51.875	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	102709m	42.709	ug/l	
77) Bromobenzene	12.52	156	100348	49.791	ug/l	98
78) n-propylbenzene	12.58	91	511886	51.803	ug/l	99
79) 2-Chlorotoluene	12.67	91	297165	50.332	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	362864	51.123	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	48187	51.462	ug/l	100
82) 4-Chlorotoluene	12.77	91	311072	51.731	ug/l	99
83) tert-Butylbenzene	12.99	119	304315	51.720	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	363789	51.808	ug/l	100
85) sec-Butylbenzene	13.17	105	423099	53.475	ug/l	99
86) p-Isopropyltoluene	13.28	119	377570	53.069	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	182592	51.368	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	183282	51.321	ug/l	99
89) n-Butylbenzene	13.61	91	363839	56.641	ug/l	99
90) Hexachloroethane	13.87	117	59497	57.530	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	174777	51.422	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	25586	48.287	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	112074	53.695	ug/l	100
94) Hexachlorobutadiene	15.00	225	57578	56.272	ug/l	99
95) Naphthalene	15.13	128	309561	49.309	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	104304	50.735	ug/l	99

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

