

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\
 Data File : VN060514.D
 Acq On : 16 Mar 2020 11:15
 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
 3/17/2020 11:48:10 AM

Quant Time: Mar 17 08:58:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	210397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	342574	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	315022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152026	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	131442	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
35) Dibromofluoromethane	7.56	113	100417	63.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.30%	
50) Toluene-d8	10.08	98	387204	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
62) 4-Bromofluorobenzene	12.39	95	149991	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	76413	39.612	ug/l	100
3) Chloromethane	2.03	50	137413	40.915	ug/l	99
4) Vinyl Chloride	2.16	62	114582	39.782	ug/l	98
5) Bromomethane	2.54	94	49936	42.722	ug/l	99
6) Chloroethane	2.68	64	69497	44.533	ug/l	97
7) Trichlorofluoromethane	3.00	101	160907	43.725	ug/l	99
8) Diethyl Ether	3.38	74	66475	47.843	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	99136	47.601	ug/l	99
10) Methyl Iodide	3.92	142	73408	38.621	ug/l	99
11) Tert butyl alcohol	4.72	59	97022	242.053	ug/l	100
12) 1,1-Dichloroethene	3.71	96	95029	47.009	ug/l	99
13) Acrolein	3.57	56	89740	239.986	ug/l	100
14) Allyl chloride	4.29	41	171964	46.141	ug/l	96
15) Acrylonitrile	4.94	53	287398	272.026	ug/l	99
16) Acetone	3.78	43	262176	300.755	ug/l	99
17) Carbon Disulfide	4.03	76	225823	41.986	ug/l	100
18) Methyl Acetate	4.28	43	153017	52.599	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	368020	50.147	ug/l	97
20) Methylene Chloride	4.52	84	111485	46.568	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	102566	47.204	ug/l	97
22) Diisopropyl ether	5.91	45	405403	53.701	ug/l	97
23) Vinyl Acetate	5.85	43	1593050	265.560	ug/l	99
24) 1,1-Dichloroethane	5.81	63	214615	50.222	ug/l	99
25) 2-Butanone	6.79	43	402922	286.157	ug/l	98
26) 2,2-Dichloropropane	6.79	77	193313	49.690	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	126928	45.723	ug/l	97
28) Bromochloromethane	7.17	49	91681	52.254	ug/l	93
29) Tetrahydrofuran	7.18	42	255472	260.919	ug/l	97
30) Chloroform	7.34	83	212548	49.964	ug/l	98
31) Cyclohexane	7.63	56	178040	48.790	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	180859	47.985	ug/l	100
36) 1,1-Dichloropropene	7.77	75	151762	46.483	ug/l	99
37) Ethyl Acetate	6.89	43	162677	52.621	ug/l	100
38) Carbon Tetrachloride	7.75	117	144350	45.411	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	173190	44.990	ug/l	97
40) Benzene	8.02	78	466623	49.104	ug/l	100
41) Methacrylonitrile	7.14	41	72513m	50.799	ug/l	
42) 1,2-Dichloroethane	8.10	62	167533	48.856	ug/l	100
43) Isopropyl Acetate	8.14	43	286434	52.925	ug/l	99
44) Trichloroethene	8.81	130	121785	46.016	ug/l	99
45) 1,2-Dichloropropane	9.10	63	132943	53.509	ug/l	100
46) Dibromomethane	9.19	93	79292	49.185	ug/l	99
47) Bromodichloromethane	9.38	83	170235	51.920	ug/l	98
48) Methyl methacrylate	9.18	41	126382	51.208	ug/l	97
49) 1,4-Dioxane	9.18	88	33235	957.596	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	831103	270.844	ug/l	100
52) Toluene	10.14	92	288164	48.275	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	199356	49.621	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	211778	50.871	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	118230	49.253	ug/l	99
56) Ethyl methacrylate	10.42	69	182842	53.018	ug/l	96
57) 1,3-Dichloropropane	10.70	76	203347	51.944	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	449657	249.300	ug/l	98
59) 2-Hexanone	10.74	43	609800	270.659	ug/l	99
60) Dibromochloromethane	10.89	129	125469	51.396	ug/l	99
61) 1,2-Dibromoethane	10.99	107	116896	49.954	ug/l	99
64) Tetrachloroethene	10.62	164	118424	47.680	ug/l	99
65) Chlorobenzene	11.43	112	305586	48.040	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	116946	49.722	ug/l	99
67) Ethyl Benzene	11.50	91	566159	48.874	ug/l	100
68) m/p-Xylenes	11.61	106	418693	95.798	ug/l	100
69) o-Xylene	11.94	106	203115	48.735	ug/l	100
70) Styrene	11.96	104	340550	49.699	ug/l	100
71) Bromoform	12.12	173	89587	52.851	ug/l #	100
73) Isopropylbenzene	12.24	105	555015	49.256	ug/l	100
74) N-amyl acetate	12.06	43	254105	51.607	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	165447	54.016	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	150173m	45.023	ug/l	
77) Bromobenzene	12.52	156	130784	47.350	ug/l	93
78) n-propylbenzene	12.59	91	655339	49.616	ug/l	99
79) 2-Chlorotoluene	12.67	91	384025	49.462	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	464621	48.974	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	64573	53.441	ug/l #	84
82) 4-Chlorotoluene	12.77	91	395634	48.366	ug/l	99
83) tert-Butylbenzene	12.99	119	393499	47.906	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	465335	48.595	ug/l	100
85) sec-Butylbenzene	13.17	105	533366	48.490	ug/l	99
86) p-Isopropyltoluene	13.28	119	476894	46.843	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	238870	50.331	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	240115	50.886	ug/l	99
89) n-Butylbenzene	13.61	91	446482	47.775	ug/l	99
90) Hexachloroethane	13.87	117	70077	47.555	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	229328	47.383	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32665	47.094	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	146464	47.630	ug/l	99
94) Hexachlorobutadiene	15.01	225	72306	51.161	ug/l	98
95) Naphthalene	15.13	128	422735	46.650	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	139502	48.160	ug/l	100

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

