

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082419\
 Data File : VN057475.D
 Acq On : 23 Aug 2019 16:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 1:13:02 PM

Quant Time: Aug 26 05:21:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	361092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	653979	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	568586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	224459	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	313110	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	7.57	113	213626	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	10.09	98	813791	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.40	95	293381	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	193235	45.349	ug/l	95
3) Chloromethane	2.05	50	270525	44.451	ug/l	98
4) Vinyl Chloride	2.17	62	340166	45.921	ug/l	98
5) Bromomethane	2.54	94	222181	48.670	ug/l	98
6) Chloroethane	2.68	64	222384	46.672	ug/l	95
7) Trichlorofluoromethane	3.00	101	532759	46.334	ug/l	96
8) Diethyl Ether	3.39	74	193183	49.952	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	294585	51.198	ug/l	98
10) Methyl Iodide	3.91	142	252995	53.885	ug/l	95
11) Tert butyl alcohol	4.79	59	176990	224.258	ug/l	97
12) 1,1-Dichloroethene	3.71	96	284659	46.314	ug/l	100
13) Acrolein	3.58	56	155008	223.361	ug/l	100
14) Allyl chloride	4.29	41	372828	45.800	ug/l	97
15) Acrylonitrile	4.96	53	506249	237.857	ug/l	98
16) Acetone	3.80	43	919735	315.289	ug/l	95
17) Carbon Disulfide	4.02	76	490995	41.878	ug/l	100
18) Methyl Acetate	4.30	43	297109	47.141	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	641447	43.234	ug/l	99
20) Methylene Chloride	4.52	84	203455	47.037	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	189995	43.806	ug/l	95
22) Diisopropyl ether	5.93	45	807801	46.323	ug/l	98
23) Vinyl Acetate	5.87	43	3162655	232.198	ug/l	99
24) 1,1-Dichloroethane	5.82	63	416924	45.113	ug/l	98
25) 2-Butanone	6.82	43	749188	236.515	ug/l	99
26) 2,2-Dichloropropane	6.80	77	359566	44.928	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	229594	44.657	ug/l	98
28) Bromochloromethane	7.18	49	253049	50.845	ug/l	98
29) Tetrahydrofuran	7.20	42	490981	235.065	ug/l	99
30) Chloroform	7.35	83	413099	48.182	ug/l	97
31) Cyclohexane	7.63	56	408778	45.812	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	353671	44.612	ug/l	99
36) 1,1-Dichloropropene	7.78	75	307355	45.995	ug/l	99
37) Ethyl Acetate	6.91	43	313852	47.531	ug/l	99
38) Carbon Tetrachloride	7.75	117	289170	43.559	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	379470	47.814	ug/l	99
40) Benzene	8.02	78	906378	45.191	ug/l	98
41) Methacrylonitrile	7.16	41	143808	45.673	ug/l	98
42) 1,2-Dichloroethane	8.11	62	350874	45.435	ug/l	99
43) Isopropyl Acetate	8.16	43	554788	45.822	ug/l	99
44) Trichloroethene	8.82	130	209083	46.700	ug/l	97
45) 1,2-Dichloropropane	9.11	63	257646	45.613	ug/l	100
46) Dibromomethane	9.20	93	159784	48.264	ug/l	99
47) Bromodichloromethane	9.40	83	333689	44.778	ug/l	98
48) Methyl methacrylate	9.19	41	273643	47.530	ug/l	98
49) 1,4-Dioxane	9.20	88	67820	910.934	ug/l	92
51) 4-Methyl-2-Pentanone	9.98	43	1589274	235.528	ug/l	99
52) Toluene	10.15	92	539542	46.674	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	356133	45.625	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	385371	44.342	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	208690	44.642	ug/l	99
56) Ethyl methacrylate	10.43	69	346964	47.182	ug/l	96
57) 1,3-Dichloropropane	10.70	76	376526	46.279	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	715234	342.451	ug/l	99
59) 2-Hexanone	10.75	43	1124301	242.926	ug/l	100
60) Dibromochloromethane	10.90	129	218606	44.250	ug/l	99
61) 1,2-Dibromoethane	11.00	107	210730	45.960	ug/l	99
64) Tetrachloroethene	10.63	164	183913	46.234	ug/l	94
65) Chlorobenzene	11.43	112	538100	46.817	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	202238	45.880	ug/l	97
67) Ethyl Benzene	11.51	91	1103382	49.596	ug/l	99
68) m/p-Xylenes	11.62	106	782042	103.365	ug/l	99
69) o-Xylene	11.95	106	375650	50.121	ug/l	98
70) Styrene	11.96	104	630846	53.157	ug/l	99
71) Bromoform	12.13	173	136909	45.946	ug/l #	98
73) Isopropylbenzene	12.25	105	1037028	52.242	ug/l	99
74) N-amyl acetate	12.07	43	467838	49.879	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	291439	50.883	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	260937m	52.725	ug/l	
77) Bromobenzene	12.53	156	211134	51.350	ug/l	100
78) n-propylbenzene	12.59	91	1187876	52.129	ug/l	100
79) 2-Chlorotoluene	12.67	91	698722	52.323	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	857562	52.573	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	95056	46.777	ug/l	95
82) 4-Chlorotoluene	12.77	91	692646	51.876	ug/l	100
83) tert-Butylbenzene	12.99	119	705407	51.698	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	835898	47.902	ug/l	99
85) sec-Butylbenzene	13.17	105	964169	52.094	ug/l	100
86) p-Isopropyltoluene	13.29	119	821807	46.840	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	345479	47.651	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	340260	47.922	ug/l	99
89) n-Butylbenzene	13.62	91	741096	49.915	ug/l	99
90) Hexachloroethane	13.88	117	165888	50.583	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	335107	48.418	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49066	45.694	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	114746	41.945	ug/l	97
94) Hexachlorobutadiene	15.01	225	95063	54.188	ug/l	96
95) Naphthalene	15.13	128	369342	42.112	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	120318	43.716	ug/l	98

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

