

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081819\
 Data File : VN057383.D
 Acq On : 17 Aug 2019 3:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 12:20:03 PM

Quant Time: Aug 19 09:16:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	826165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1233080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1132458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	460565	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	441358	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
35) Dibromofluoromethane	7.58	113	403612	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.09	98	1485920	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.40	95	511663	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	317294	44.632	ug/l	98
3) Chloromethane	2.05	50	377949	45.041	ug/l	99
4) Vinyl Chloride	2.18	62	355422	45.022	ug/l	98
5) Bromomethane	2.53	94	266728m	47.399	ug/l	
6) Chloroethane	2.69	64	251691	46.350	ug/l	98
7) Trichlorofluoromethane	3.01	101	589493	47.606	ug/l	99
8) Diethyl Ether	3.40	74	227222	48.754	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	342491	47.076	ug/l	98
10) Methyl Iodide	3.95	142	601922	51.761	ug/l	99
11) Tert butyl alcohol	4.76	59	307400	240.754	ug/l	100
12) 1,1-Dichloroethene	3.73	96	346438	47.793	ug/l	97
13) Acrolein	3.60	56	134376	173.362	ug/l	98
14) Allyl chloride	4.31	41	529085	45.535	ug/l	99
15) Acrylonitrile	4.97	53	854194	246.417	ug/l	100
16) Acetone	3.80	43	655179	210.290	ug/l	99
17) Carbon Disulfide	4.05	76	878402	44.980	ug/l	100
18) Methyl Acetate	4.31	43	423287	50.889	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	1130059	49.684	ug/l	99
20) Methylene Chloride	4.54	84	408653	46.879	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	370657	47.550	ug/l	97
22) Diisopropyl ether	5.93	45	1095315	47.719	ug/l	99
23) Vinyl Acetate	5.88	43	4368494	236.479	ug/l	98
24) 1,1-Dichloroethane	5.83	63	679365	48.108	ug/l	100
25) 2-Butanone	6.82	43	1045356	231.698	ug/l	97
26) 2,2-Dichloropropane	6.81	77	406151	35.588	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	442655	47.966	ug/l	96
28) Bromochloromethane	7.18	49	310494	49.485	ug/l #	95
29) Tetrahydrofuran	7.20	42	672394	235.495	ug/l	98
30) Chloroform	7.36	83	704448	47.602	ug/l	99
31) Cyclohexane	7.64	56	541646	44.260	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	626914	50.366	ug/l	99
36) 1,1-Dichloropropene	7.78	75	508918	46.744	ug/l	99
37) Ethyl Acetate	6.91	43	435728	48.864	ug/l	99
38) Carbon Tetrachloride	7.77	117	552678	48.858	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	575604	45.277	ug/l	99
40) Benzene	8.03	78	1570205	47.153	ug/l	100
41) Methacrylonitrile	7.17	41	241487m	60.136	ug/l	
42) 1,2-Dichloroethane	8.12	62	519671	47.151	ug/l	100
43) Isopropyl Acetate	8.15	43	914520	56.220	ug/l	95
44) Trichloroethene	8.83	130	453441	48.433	ug/l	97
45) 1,2-Dichloropropane	9.11	63	409453	47.703	ug/l	100
46) Dibromomethane	9.20	93	277055	48.383	ug/l	99
47) Bromodichloromethane	9.40	83	553531	48.788	ug/l	100
48) Methyl methacrylate	9.19	41	355505	48.414	ug/l	99
49) 1,4-Dioxane	9.19	88	152292	986.208	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2196277	238.742	ug/l	100
52) Toluene	10.15	92	1014613	48.951	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	579668	47.234	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	632927	46.770	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	397660	48.791	ug/l	98
56) Ethyl methacrylate	10.43	69	602729	50.675	ug/l	99
57) 1,3-Dichloropropane	10.70	76	654905	48.100	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	715450	206.087	ug/l	99
59) 2-Hexanone	10.75	43	1565179	236.659	ug/l	98
60) Dibromochloromethane	10.90	129	460244	50.391	ug/l	100
61) 1,2-Dibromoethane	11.00	107	426573	49.133	ug/l	100
64) Tetrachloroethene	10.63	164	464404	47.437	ug/l	99
65) Chlorobenzene	11.43	112	1121485	48.555	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	442789	50.058	ug/l	99
67) Ethyl Benzene	11.51	91	1935298	47.893	ug/l	99
68) m/p-Xylenes	11.62	106	1454775	97.713	ug/l	99
69) o-Xylene	11.95	106	717435	49.078	ug/l	100
70) Styrene	11.96	104	1192641	51.182	ug/l	99
71) Bromoform	12.13	173	365804	52.420	ug/l	99
73) Isopropylbenzene	12.25	105	1916847	52.507	ug/l	98
74) N-amyl acetate	12.07	43	584298	43.720	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	542085	53.241	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	453031m	49.950	ug/l	
77) Bromobenzene	12.53	156	513689	52.127	ug/l	98
78) n-propylbenzene	12.59	91	1982906	44.709	ug/l	99
79) 2-Chlorotoluene	12.67	91	1248295	51.555	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1600625	51.655	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	160747	42.559	ug/l	98
82) 4-Chlorotoluene	12.77	91	1186191	45.134	ug/l	99
83) tert-Butylbenzene	12.99	119	1426118	52.499	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1531318	46.161	ug/l	99
85) sec-Butylbenzene	13.17	105	1737977	49.877	ug/l	99
86) p-Isopropyltoluene	13.29	119	1530784	45.072	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	764825	47.396	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	710031	46.352	ug/l	100
89) n-Butylbenzene	13.62	91	1146186	47.339	ug/l	100
90) Hexachloroethane	13.88	117	307754	53.438	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	723544	48.099	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73712	44.882	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	240980	41.124	ug/l	98
94) Hexachlorobutadiene	15.01	225	295760	51.409	ug/l	98
95) Naphthalene	15.13	128	507588	53.675	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	226526	53.377	ug/l	99

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

