

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062831.D
 Acq On : 24 Jun 2019 10:46
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/25/2019 10:00:06 AM

Quant Time: Jun 25 05:10:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	933625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1252372	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1084786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	552488	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	572896	56.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.90%	
35) Dibromofluoromethane	6.93	113	552491	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
50) Toluene-d8	10.42	98	1208010	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	13.56	95	576510	55.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	514921	42.621	ug/l	99
3) Chloromethane	1.75	50	379334	41.749	ug/l	94
4) Vinyl Chloride	1.85	62	401635	44.583	ug/l	99
5) Bromomethane	2.16	94	190703	45.202	ug/l	99
6) Chloroethane	2.27	64	203039	49.782	ug/l #	88
7) Trichlorofluoromethane	2.54	101	870233	47.731	ug/l	100
8) Diethyl Ether	2.87	74	125151	54.026	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	467839	47.366	ug/l	99
10) Methyl Iodide	3.31	142	595673	45.713	ug/l	99
11) Tert butyl alcohol	4.10	59	123551	267.309	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	346897	46.818	ug/l	91
13) Acrolein	3.04	56	123591	261.925	ug/l	96
14) Allyl chloride	3.62	41	521074	47.594	ug/l	93
15) Acrylonitrile	4.21	53	261710	240.973	ug/l	96
16) Acetone	3.23	43	555906	270.699	ug/l	97
17) Carbon Disulfide	3.38	76	1057415	44.653	ug/l	95
18) Methyl Acetate	3.65	43	166747	54.430	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	844084	52.623	ug/l	96
20) Methylene Chloride	3.82	84	332399	42.948	ug/l	91
21) trans-1,2-Dichloroethene	4.22	96	350313	44.402	ug/l	92
22) Diisopropyl ether	5.13	45	1103663	49.569	ug/l #	85
23) Vinyl Acetate	5.07	43	3623983	260.113	ug/l	97
24) 1,1-Dichloroethane	4.99	63	681555	47.015	ug/l	99
25) 2-Butanone	6.08	43	515208	271.440	ug/l	95
26) 2,2-Dichloropropane	6.03	77	771843	50.232	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	389976	46.742	ug/l	92
28) Bromochloromethane	6.45	49	218275	42.752	ug/l	99
29) Tetrahydrofuran	6.47	42	236322	263.152	ug/l	97
30) Chloroform	6.67	83	836906	47.471	ug/l	95
31) Cyclohexane	6.97	56	413709	43.411	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	840832	45.790	ug/l	95
36) 1,1-Dichloropropene	7.16	75	569268	48.017	ug/l	97
37) Ethyl Acetate	6.19	43	256153	51.467	ug/l	96
38) Carbon Tetrachloride	7.12	117	872485m	48.933	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	471307	45.163	ug/l	99
40) Benzene	7.46	78	1152684	48.437	ug/l	99
41) Methacrylonitrile	6.47	41	327431	52.371	ug/l #	89
42) 1,2-Dichloroethane	7.59	62	649819	50.055	ug/l	98
43) Isopropyl Acetate	9.24	43	334749	53.858	ug/l #	95
44) Trichloroethene	8.55	130	464687	49.807	ug/l	91
45) 1,2-Dichloropropane	8.95	63	271545	45.889	ug/l	96
46) Dibromomethane	9.08	93	241195	47.450	ug/l	94
47) Bromodichloromethane	9.38	83	655971	49.689	ug/l	97
48) Methyl methacrylate	9.13	41	212212	48.046	ug/l #	88
49) 1,4-Dioxane	9.10	88	37445	1019.000	ug/l #	91
51) 4-Methyl-2-Pentanone	10.31	43	1168437	265.150	ug/l	97
52) Toluene	10.51	92	721006	45.072	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	573443	53.071	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	555224	47.276	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	271974	49.487	ug/l	89
56) Ethyl methacrylate	11.05	69	296550	50.490	ug/l	94
57) 1,3-Dichloropropane	11.42	76	421775	50.121	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	748930	248.376	ug/l	97
59) 2-Hexanone	11.54	43	907809	289.258	ug/l	96
60) Dibromochloromethane	11.70	129	523392	51.128	ug/l	97
61) 1,2-Dibromoethane	11.81	107	320009	49.301	ug/l	99
64) Tetrachloroethene	11.26	164	403867	45.236	ug/l	96
65) Chlorobenzene	12.40	112	916530	45.525	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	462404	49.113	ug/l	96
67) Ethyl Benzene	12.53	91	1739243	48.118	ug/l	99
68) m/p-Xylenes	12.67	106	1165472	92.577	ug/l	99
69) o-Xylene	13.05	106	525180	45.634	ug/l	95
70) Styrene	13.07	104	923272	45.675	ug/l	98
71) Bromoform	13.24	173	339336	52.605	ug/l	96
73) Isopropylbenzene	13.41	105	1664647	46.991	ug/l	100
74) N-amyl acetate	13.27	43	489119	56.856	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	286058	49.561	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	333889	52.349	ug/l	99
77) Bromobenzene	13.67	156	453470	47.593	ug/l	90
78) n-propylbenzene	13.78	91	1964026	47.635	ug/l	100
79) 2-Chlorotoluene	13.84	91	1075361	45.638	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1516417	50.963	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	90923	54.393	ug/l	96
82) 4-Chlorotoluene	13.95	91	1415592	49.902	ug/l	97
83) tert-Butylbenzene	14.20	119	1722838	51.945	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	1518143	49.779	ug/l	98
85) sec-Butylbenzene	14.37	105	1604644	44.514	ug/l	99
86) p-Isopropyltoluene	14.49	119	1682345	51.014	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	904928	52.982	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	786909	45.870	ug/l	99
89) n-Butylbenzene	14.81	91	1498859	48.560	ug/l	95
90) Hexachloroethane	15.01	117	449995	50.751	ug/l	98
91) 1,2-Dichlorobenzene	14.82	146	769046	52.627	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	68494	60.800	ug/l #	49

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	605140	53.011	ug/l	98
94) Hexachlorobutadiene	16.04	225	444361	50.954	ug/l	100
95) Naphthalene	16.13	128	818191	51.138	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	476364	54.312	ug/l	95

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

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