

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063080.D
 Acq On : 15 Jul 2019 13:26
 Operator : VA/AP
 Sample : VSTDIC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:15:12 AM

Quant Time: Jul 16 07:46:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:23:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	770401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1026485	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	880904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	452748	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	923470	107.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.52%	
35) Dibromofluoromethane	6.92	113	997918	112.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	224.12%	
50) Toluene-d8	10.40	98	2156749	113.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	226.34%	
62) 4-Bromofluorobenzene	13.55	95	947604	108.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	912154	94.022	ug/l	96
3) Chloromethane	1.74	50	697338	94.055	ug/l #	86
4) Vinyl Chloride	1.84	62	771189	105.088	ug/l	95
5) Bromomethane	2.13	94	311955	93.246	ug/l	98
6) Chloroethane	2.24	64	330634	98.738	ug/l	94
7) Trichlorofluoromethane	2.52	101	1662668	109.948	ug/l	97
8) Diethyl Ether	2.86	74	243676	127.643	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.13	101	957196	117.788	ug/l	98
10) Methyl Iodide	3.28	142	1418487	132.535	ug/l	99
11) Tert butyl alcohol	4.08	59	273291	664.176	ug/l #	92
12) 1,1-Dichloroethene	3.11	96	686747	113.243	ug/l	93
13) Acrolein	3.02	56	49995	145.071	ug/l	87
14) Allyl chloride	3.60	41	1159433	126.862	ug/l	97
15) Acrylonitrile	4.19	53	650089	696.270	ug/l	98
16) Acetone	3.22	43	1250917	626.545	ug/l	98
17) Carbon Disulfide	3.35	76	1948302	102.582	ug/l	100
18) Methyl Acetate	3.63	43	328232	125.989	ug/l #	92
19) Methyl tert-butyl Ether	4.23	73	1820492	134.199	ug/l	96
20) Methylene Chloride	3.80	84	791435	119.323	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	792584	122.167	ug/l	95
22) Diisopropyl ether	5.11	45	2546413	134.272	ug/l	96
23) Vinyl Acetate	5.05	43	7943773	672.385	ug/l	100
24) 1,1-Dichloroethane	4.96	63	1553177	127.592	ug/l	98
25) 2-Butanone	6.06	43	1173075	706.832	ug/l	95
26) 2,2-Dichloropropane	6.01	77	1681509	129.805	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	891118	126.523	ug/l	97
28) Bromochloromethane	6.43	49	551629	126.815	ug/l	95
29) Tetrahydrofuran	6.45	42	540766	693.063	ug/l	97
30) Chloroform	6.65	83	1902449	128.739	ug/l	100
31) Cyclohexane	6.94	56	966873	122.855	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	1808792	118.930	ug/l	95
36) 1,1-Dichloropropene	7.13	75	1243763	127.846	ug/l	93
37) Ethyl Acetate	6.18	43	538859	118.120	ug/l	99
38) Carbon Tetrachloride	7.09	117	1867961m	126.912	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	1034261	121.933	ug/l	92
40) Benzene	7.45	78	2595447	130.662	ug/l	96
41) Methacrylonitrile	6.44	41	735586	139.418	ug/l #	90
42) 1,2-Dichloroethane	7.57	62	1401678	130.917	ug/l	99
43) Isopropyl Acetate	9.24	43	740873	139.405	ug/l #	100
44) Trichloroethene	8.53	130	1000220	130.307	ug/l	99
45) 1,2-Dichloropropane	8.93	63	649687	131.830	ug/l	93
46) Dibromomethane	9.05	93	533993	125.196	ug/l	93
47) Bromodichloromethane	9.37	83	1430267	130.680	ug/l	97
48) Methyl methacrylate	9.11	41	484622	129.244	ug/l	91
49) 1,4-Dioxane	9.07	88	90306	2838.043	ug/l #	90
51) 4-Methyl-2-Pentanone	10.30	43	2502557	662.643	ug/l	100
52) Toluene	10.50	92	1716569	129.691	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	1279903	139.892	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	1286461	130.385	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	588336	127.012	ug/l	95
56) Ethyl methacrylate	11.03	69	668499	134.779	ug/l	96
57) 1,3-Dichloropropane	11.40	76	891538	127.848	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	1773380	669.215	ug/l	100
59) 2-Hexanone	11.53	43	1986557	727.994	ug/l	94
60) Dibromochloromethane	11.68	129	1182805	136.879	ug/l	97
61) 1,2-Dibromoethane	11.80	107	720668	132.862	ug/l	95
64) Tetrachloroethene	11.25	164	825592	113.111	ug/l	97
65) Chlorobenzene	12.39	112	2077620	124.078	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	1029537	131.824	ug/l	98
67) Ethyl Benzene	12.52	91	3683550	123.108	ug/l	96
68) m/p-Xylenes	12.67	106	2619368	252.947	ug/l	97
69) o-Xylene	13.05	106	1242302	130.146	ug/l	97
70) Styrene	13.07	104	2168291	128.165	ug/l	99
71) Bromoform	13.23	173	712304	131.502	ug/l	99
73) Isopropylbenzene	13.40	105	3861519	130.344	ug/l	100
74) N-amyl acetate	13.27	43	1087947	146.752	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	708307	141.200	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	763508	138.550	ug/l	100
77) Bromobenzene	13.67	156	1100886	137.176	ug/l	98
78) n-propylbenzene	13.77	91	4073767	116.369	ug/l	99
79) 2-Chlorotoluene	13.84	91	2674142	134.192	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	3315561	132.225	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	208068	144.440	ug/l	86
82) 4-Chlorotoluene	13.95	91	3081687	128.684	ug/l	99
83) tert-Butylbenzene	14.18	119	3768477	133.943	ug/l	88
84) 1,2,4-Trimethylbenzene	14.23	105	3279005	128.479	ug/l	96
85) sec-Butylbenzene	14.37	105	3862071	126.705	ug/l	98
86) p-Isopropyltoluene	14.49	119	3479374	126.558	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	1869486	130.231	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	1827142	127.220	ug/l	97
89) n-Butylbenzene	14.79	91	3343789	128.187	ug/l	98
90) Hexachloroethane	15.00	117	1006361	134.722	ug/l	69
91) 1,2-Dichlorobenzene	14.80	146	1606807	128.867	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	142035	146.961	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	1307067	133.564	ug/l	98
94) Hexachlorobutadiene	16.03	225	937770	126.720	ug/l	99
95) Naphthalene	16.12	128	1894193	139.779	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	1017711	134.080	ug/l	100

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

