

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063231.D
 Acq On : 30 Jul 2019 10:09
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 31 04:52:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1050686	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1430464	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	1187667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	638208	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	626506	53.74	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.48%	
35) Dibromofluoromethane	6.92	113	706139	57.82	ug/l	0.01
Spiked Amount	50.000		Recovery	=	115.64%	
50) Toluene-d8	10.41	98	1591231	58.22	ug/l	0.01
Spiked Amount	50.000		Recovery	=	116.44%	
62) 4-Bromofluorobenzene	13.55	95	686025	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	656780	51.138	ug/l	99
3) Chloromethane	1.75	50	501332	50.241	ug/l #	89
4) Vinyl Chloride	1.85	62	529366	51.246	ug/l	99
5) Bromomethane	2.15	94	271991	52.207	ug/l	97
6) Chloroethane	2.27	64	251893	52.816	ug/l	99
7) Trichlorofluoromethane	2.53	101	1097000	54.740	ug/l	97
8) Diethyl Ether	2.87	74	147176	52.475	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	598290	53.896	ug/l	97
10) Methyl Iodide	3.30	142	850409	53.029	ug/l	99
11) Tert butyl alcohol	4.08	59	106547	208.252	ug/l	95
12) 1,1-Dichloroethene	3.13	96	476271	58.442	ug/l	86
13) Acrolein	3.03	56	114685	232.915	ug/l	89
14) Allyl chloride	3.62	41	686192	52.855	ug/l	90
15) Acrylonitrile	4.19	53	330504	249.168	ug/l	95
16) Acetone	3.23	43	665127	292.813	ug/l	99
17) Carbon Disulfide	3.37	76	1423679	52.193	ug/l	98
18) Methyl Acetate	3.64	43	203816	46.713	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	950568	51.637	ug/l	97
20) Methylene Chloride	3.81	84	456693	49.739	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	481699	52.679	ug/l	91
22) Diisopropyl ether	5.13	45	1350761	52.077	ug/l	100
23) Vinyl Acetate	5.06	43	4224636	264.969	ug/l	100
24) 1,1-Dichloroethane	4.98	63	834600	50.375	ug/l	96
25) 2-Butanone	6.07	43	620325	272.114	ug/l	94
26) 2,2-Dichloropropane	6.02	77	936104	54.827	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	504184	51.428	ug/l	98
28) Bromochloromethane	6.44	49	315898	47.856	ug/l #	100
29) Tetrahydrofuran	6.46	42	254089	235.421	ug/l	98
30) Chloroform	6.66	83	1034793	50.329	ug/l	99
31) Cyclohexane	6.95	56	551763	53.132	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	1071733	53.889	ug/l	96
36) 1,1-Dichloropropene	7.15	75	696632	53.362	ug/l	98
37) Ethyl Acetate	6.18	43	296511	50.556	ug/l	99
38) Carbon Tetrachloride	7.11	117	1140086	58.009	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	560030	51.488	ug/l	100
40) Benzene	7.45	78	1433317	52.387	ug/l	98
41) Methacrylonitrile	6.45	41	339695	48.419	ug/l #	83
42) 1,2-Dichloroethane	7.58	62	770760	53.154	ug/l	97
43) Isopropyl Acetate	9.24	43	392084	52.334	ug/l	99
44) Trichloroethene	8.54	130	571074	51.510	ug/l	97
45) 1,2-Dichloropropane	8.94	63	354345	50.953	ug/l	99
46) Dibromomethane	9.06	93	310804	53.750	ug/l	90
47) Bromodichloromethane	9.37	83	789442	53.558	ug/l	96
48) Methyl methacrylate	9.12	41	264131	54.360	ug/l	95
49) 1,4-Dioxane	9.07	88	40775	990.586	ug/l #	82
51) 4-Methyl-2-Pentanone	10.30	43	1288003	252.791	ug/l	98
52) Toluene	10.51	92	968068	53.198	ug/l	89
53) t-1,3-Dichloropropene	10.92	75	691253	54.396	ug/l	95
54) cis-1,3-Dichloropropene	10.04	75	733011	54.884	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	329527	53.617	ug/l	94
56) Ethyl methacrylate	11.04	69	354851	52.727	ug/l	94
57) 1,3-Dichloropropane	11.41	76	519613	53.660	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	934758	266.932	ug/l	97
59) 2-Hexanone	11.53	43	1014081	276.184	ug/l	98
60) Dibromochloromethane	11.68	129	622925	53.689	ug/l	100
61) 1,2-Dibromoethane	11.80	107	405879	53.520	ug/l	92
64) Tetrachloroethene	11.25	164	483063	51.055	ug/l	97
65) Chlorobenzene	12.39	112	1197776	52.433	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	558053	55.458	ug/l	98
67) Ethyl Benzene	12.52	91	2162230	55.717	ug/l	100
68) m/p-Xylenes	12.67	106	1519204	106.747	ug/l	91
69) o-Xylene	13.05	106	670648	51.315	ug/l	97
70) Styrene	13.07	104	1155665	49.862	ug/l	97
71) Bromoform	13.23	173	408241	55.788	ug/l	97
73) Isopropylbenzene	13.41	105	2250789	56.191	ug/l	97
74) N-amyl acetate	13.27	43	565413	53.396	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	375055	55.122	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	399001	52.050	ug/l	99
77) Bromobenzene	13.67	156	570635	50.009	ug/l	86
78) n-propylbenzene	13.77	91	2574401	54.007	ug/l	97
79) 2-Chlorotoluene	13.84	91	1466348	53.090	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	1803449	52.201	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	105280	49.460	ug/l	98
82) 4-Chlorotoluene	13.95	91	1713626	52.719	ug/l	100
83) tert-Butylbenzene	14.18	119	2092882	53.055	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1939299	54.270	ug/l	98
85) sec-Butylbenzene	14.36	105	2275060	54.740	ug/l	98
86) p-Isopropyltoluene	14.49	119	1813924	45.728	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	1084712	53.679	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	997167	48.799	ug/l	99
89) n-Butylbenzene	14.79	91	1795594	52.410	ug/l	95
90) Hexachloroethane	15.00	117	551128	53.327	ug/l	86
91) 1,2-Dichlorobenzene	14.80	146	897001	50.948	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	71691	51.727	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	703067	50.337	ug/l	99
94) Hexachlorobutadiene	16.03	225	538672	53.219	ug/l	99
95) Naphthalene	16.12	128	1008426	51.082	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	575718	52.177	ug/l	100

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

