

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063132.D
 Acq On : 17 Jul 2019 15:34
 Operator : VA/AP
 Sample : VD0717SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0717SBS02

Quant Time: Jul 18 06:56:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	777315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1131727	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	989921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	533442	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	389156	40.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.38%	
35) Dibromofluoromethane	6.92	113	425281	37.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.46%	
50) Toluene-d8	10.40	98	899737	37.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.32%	
62) 4-Bromofluorobenzene	13.55	95	430876	38.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	173284	18.662	ug/l	95
3) Chloromethane	1.74	50	127667	15.825	ug/l #	85
4) Vinyl Chloride	1.83	62	123843	14.928	ug/l	97
5) Bromomethane	2.13	94	56631	15.652	ug/l	90
6) Chloroethane	2.24	64	62331	16.174	ug/l	99
7) Trichlorofluoromethane	2.51	101	276736	16.478	ug/l	99
8) Diethyl Ether	2.86	74	38057	16.109	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.13	101	149686	15.457	ug/l	94
10) Methyl Iodide	3.29	142	169708	14.275	ug/l	98
11) Tert butyl alcohol	4.08	59	41960	75.088	ug/l #	94
12) 1,1-Dichloroethene	3.11	96	110667	16.093	ug/l	98
13) Acrolein	3.02	56	14890	88.285	ug/l #	35
14) Allyl chloride	3.60	41	180168	16.670	ug/l	96
15) Acrylonitrile	4.18	53	91572	74.131	ug/l	92
16) Acetone	3.21	43	153279	65.540	ug/l	93
17) Carbon Disulfide	3.35	76	301131	15.299	ug/l	98
18) Methyl Acetate	3.63	43	84627	23.846	ug/l	94
19) Methyl tert-butyl Ether	4.23	73	266053	15.327	ug/l #	91
20) Methylene Chloride	3.80	84	132684	15.017	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	117182	15.350	ug/l	92
22) Diisopropyl ether	5.11	45	382524	16.279	ug/l	98
23) Vinyl Acetate	5.04	43	1088121	79.373	ug/l	97
24) 1,1-Dichloroethane	4.97	63	241890	16.712	ug/l	98
25) 2-Butanone	6.06	43	165961	74.313	ug/l	100
26) 2,2-Dichloropropane	6.01	77	250365	15.629	ug/l	93
27) cis-1,2-Dichloroethene	6.03	96	137127	15.791	ug/l	82
28) Bromochloromethane	6.43	49	82879	15.783	ug/l	97
29) Tetrahydrofuran	6.45	42	77208	76.265	ug/l	98
30) Chloroform	6.65	83	295548	16.580	ug/l	94
31) Cyclohexane	6.94	56	134196	14.558	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	287721	16.368	ug/l	95
36) 1,1-Dichloropropene	7.13	75	177950	13.981	ug/l	95
37) Ethyl Acetate	6.18	43	89956	16.514	ug/l	98
38) Carbon Tetrachloride	7.11	117	273595	14.146	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	141211	12.833	ug/l	93
40) Benzene	7.44	78	406392	15.244	ug/l	100
41) Methacrylonitrile	6.45	41	107085	14.500	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	223209	15.716	ug/l	97
43) Isopropyl Acetate	9.23	43	110971	14.212	ug/l #	92
44) Trichloroethene	8.53	130	157216	15.260	ug/l	94
45) 1,2-Dichloropropane	8.94	63	103252	15.535	ug/l	95
46) Dibromomethane	9.05	93	86803	15.198	ug/l	92
47) Bromodichloromethane	9.37	83	222102	14.902	ug/l #	93
48) Methyl methacrylate	9.11	41	80042	15.610	ug/l	96
49) 1,4-Dioxane	9.08	88	13226	299.090	ug/l #	86
51) 4-Methyl-2-Pentanone	10.30	43	399516	77.146	ug/l	95
52) Toluene	10.50	92	263426	14.798	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	204016	15.977	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	193136	14.628	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	95579	15.536	ug/l	96
56) Ethyl methacrylate	11.04	69	99878	14.531	ug/l	96
57) 1,3-Dichloropropane	11.41	76	142543	15.227	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	235614	61.562	ug/l	98
59) 2-Hexanone	11.53	43	304572	76.260	ug/l	94
60) Dibromochloromethane	11.68	129	185418	15.723	ug/l	98
61) 1,2-Dibromoethane	11.80	107	120629	16.381	ug/l	86
64) Tetrachloroethene	11.26	164	138241	14.392	ug/l	91
65) Chlorobenzene	12.39	112	343256	14.751	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	162660	15.077	ug/l	97
67) Ethyl Benzene	12.52	91	614546	15.199	ug/l	99
68) m/p-Xylenes	12.67	106	425140	29.357	ug/l	95
69) o-Xylene	13.05	106	191577	13.951	ug/l	89
70) Styrene	13.07	104	335673	13.965	ug/l	95
71) Bromoform	13.24	173	112412	14.883	ug/l #	97
73) Isopropylbenzene	13.41	105	624027	15.148	ug/l	97
74) N-amyl acetate	13.27	43	161671	14.072	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	111774	14.912	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	123806	15.087	ug/l	94
77) Bromobenzene	13.67	156	169108	14.475	ug/l	86
78) n-propylbenzene	13.77	91	732011	15.441	ug/l	97
79) 2-Chlorotoluene	13.84	91	450344	15.711	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	565808	15.759	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	30247	13.997	ug/l	96
82) 4-Chlorotoluene	13.95	91	539174	16.108	ug/l	98
83) tert-Butylbenzene	14.18	119	597265	14.712	ug/l	83
84) 1,2,4-Trimethylbenzene	14.23	105	569026	15.897	ug/l	99
85) sec-Butylbenzene	14.37	105	621473	14.408	ug/l	99
86) p-Isopropyltoluene	14.49	119	602419	14.971	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	322368	15.451	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	314432	15.721	ug/l	97
89) n-Butylbenzene	14.79	91	570239	15.375	ug/l	96
90) Hexachloroethane	15.01	117	150371	13.979	ug/l	97
91) 1,2-Dichlorobenzene	14.80	146	279288	15.033	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	20293	14.125	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	211400	15.146	ug/l	98
94) Hexachlorobutadiene	16.03	225	155221	15.088	ug/l	94
95) Naphthalene	16.12	128	314170	15.388	ug/l	96
96) 1,2,3-Trichlorobenzene	16.27	180	172292	15.345	ug/l	100

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

