

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063136.D
 Acq On : 17 Jul 2019 17:26
 Operator : VA/AP
 Sample : VD0717SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0717SBS01

Quant Time: Jul 18 06:58:02 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	593456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	817043	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	684441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	410707	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	395919	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
35) Dibromofluoromethane	6.92	113	439299	53.98	ug/l	0.00
Spiked Amount			Recovery	=	107.96%	
50) Toluene-d8	10.42	98	914457	52.31	ug/l	0.02
Spiked Amount			Recovery	=	104.62%	
62) 4-Bromofluorobenzene	13.56	95	432378	53.47	ug/l	0.00
Spiked Amount			Recovery	=	106.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	181962	27.844	ug/l	98
3) Chloromethane	1.74	50	146627	25.642	ug/l #	83
4) Vinyl Chloride	1.84	62	144043	22.742	ug/l	99
5) Bromomethane	2.15	94	60632	23.363	ug/l	85
6) Chloroethane	2.26	64	66436	22.581	ug/l	92
7) Trichlorofluoromethane	2.52	101	283562	22.115	ug/l	97
8) Diethyl Ether	2.88	74	41840	23.198	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.14	101	148508	20.087	ug/l	100
10) Methyl Iodide	3.30	142	178437	19.659	ug/l	99
11) Tert butyl alcohol	4.10	59	44581	104.494	ug/l #	73
12) 1,1-Dichloroethene	3.12	96	118619	22.594	ug/l	98
13) Acrolein	3.04	56	17027	132.232	ug/l #	78
14) Allyl chloride	3.61	41	194583	23.582	ug/l	91
15) Acrylonitrile	4.21	53	103728	109.988	ug/l #	85
16) Acetone	3.23	43	180013	100.817	ug/l	100
17) Carbon Disulfide	3.37	76	330049	21.963	ug/l	99
18) Methyl Acetate	3.64	43	98321	40.426	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	297438	22.443	ug/l	98
20) Methylene Chloride	3.81	84	129793	19.241	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	134056	23.001	ug/l	92
22) Diisopropyl ether	5.12	45	404824	22.566	ug/l #	97
23) Vinyl Acetate	5.06	43	1178794	112.627	ug/l	100
24) 1,1-Dichloroethane	4.98	63	249038	22.536	ug/l	98
25) 2-Butanone	6.08	43	183540	107.645	ug/l	97
26) 2,2-Dichloropropane	6.03	77	266133	21.760	ug/l	93
27) cis-1,2-Dichloroethene	6.05	96	153502	23.153	ug/l	92
28) Bromochloromethane	6.44	49	94059	23.461	ug/l	86
29) Tetrahydrofuran	6.47	42	88642	114.686	ug/l	99
30) Chloroform	6.67	83	306151	22.495	ug/l	99
31) Cyclohexane	6.96	56	156635	22.257	ug/l	86
32) 1,1,1-Trichloroethane	6.87	97	301633	22.476	ug/l	94
36) 1,1-Dichloropropene	7.15	75	211679	23.036	ug/l	94
37) Ethyl Acetate	6.18	43	83424	21.213	ug/l #	98
38) Carbon Tetrachloride	7.11	117	310324	22.225	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	165470	20.829	ug/l	97
40) Benzene	7.45	78	412897	21.454	ug/l	95
41) Methacrylonitrile	6.46	41	123925	23.243	ug/l #	90
42) 1,2-Dichloroethane	7.58	62	243319	23.730	ug/l	99
43) Isopropyl Acetate	9.25	43	121877	21.621	ug/l #	97
44) Trichloroethene	8.55	130	158387	21.295	ug/l	95
45) 1,2-Dichloropropane	8.94	63	101603	21.174	ug/l	94
46) Dibromomethane	9.07	93	91140	22.103	ug/l	94
47) Bromodichloromethane	9.38	83	235786	21.913	ug/l	98
48) Methyl methacrylate	9.13	41	83696	22.610	ug/l #	86
49) 1,4-Dioxane	9.10	88	17038	533.690	ug/l #	75
51) 4-Methyl-2-Pentanone	10.31	43	435810	116.566	ug/l	96
52) Toluene	10.52	92	285233	22.194	ug/l	95
53) t-1,3-Dichloropropene	10.92	75	197183	21.390	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	217911	22.861	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	99928	22.499	ug/l #	86
56) Ethyl methacrylate	11.05	69	111461	22.461	ug/l	93
57) 1,3-Dichloropropane	11.41	76	138592	20.507	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	295706	107.021	ug/l	98
59) 2-Hexanone	11.53	43	328173	113.816	ug/l	97
60) Dibromochloromethane	11.69	129	184793	21.706	ug/l	96
61) 1,2-Dibromoethane	11.81	107	126781	23.848	ug/l	98
64) Tetrachloroethene	11.26	164	151590	22.825	ug/l	92
65) Chlorobenzene	12.40	112	334548	20.793	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	160818	21.559	ug/l	97
67) Ethyl Benzene	12.52	91	602741	21.561	ug/l	98
68) m/p-Xylenes	12.67	106	462705	46.211	ug/l	97
69) o-Xylene	13.05	106	209157	22.030	ug/l	95
70) Styrene	13.08	104	384281	23.123	ug/l	97
71) Bromoform	13.23	173	118248	22.643	ug/l	96
73) Isopropylbenzene	13.40	105	649397	20.474	ug/l	98
74) N-amyl acetate	13.26	43	183517	20.746	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	120505	20.882	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	126567	20.033	ug/l	96
77) Bromobenzene	13.68	156	182075	20.243	ug/l	96
78) n-propylbenzene	13.77	91	780611	21.387	ug/l	96
79) 2-Chlorotoluene	13.84	91	428027	19.395	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	571765	20.683	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	34228	20.573	ug/l #	86
82) 4-Chlorotoluene	13.95	91	553494	21.478	ug/l	96
83) tert-Butylbenzene	14.19	119	630562	20.174	ug/l	88
84) 1,2,4-Trimethylbenzene	14.24	105	552159	20.035	ug/l	99
85) sec-Butylbenzene	14.36	105	629088	18.943	ug/l	94
86) p-Isopropyltoluene	14.49	119	627621	20.259	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	335610	20.893	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	329067	21.369	ug/l	97
89) n-Butylbenzene	14.80	91	575925	20.169	ug/l	99
90) Hexachloroethane	15.00	117	150032	18.115	ug/l	73
91) 1,2-Dichlorobenzene	14.81	146	306890	21.456	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	21166	19.135	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	224345	20.877	µg/l	95
94) Hexachlorobutadiene	16.04	225	149039	18.816	µg/l	96
95) Naphthalene	16.13	128	350590	22.303	µg/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	173793	20.104	µg/l	95

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

