

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071719\
 Data File : VD063123.D
 Acq On : 17 Jul 2019 11:20
 Operator : VA/AP
 Sample : VD0717SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0717SBS01

Quant Time: Jul 18 06:54:38 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	634961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	839295	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	689146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	408866	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	382604	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
35) Dibromofluoromethane	6.91	113	448321	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
50) Toluene-d8	10.40	98	908303	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	13.55	95	387781	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	174889	24.496	ug/l	92
3) Chloromethane	1.74	50	145869	23.587	ug/l #	85
4) Vinyl Chloride	1.83	62	138754	20.475	ug/l	89
5) Bromomethane	2.13	94	58108	20.561	ug/l	90
6) Chloroethane	2.24	64	66584	21.152	ug/l	90
7) Trichlorofluoromethane	2.51	101	290632	21.185	ug/l	97
8) Diethyl Ether	2.85	74	41198	21.349	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.13	101	137612	17.396	ug/l	99
10) Methyl Iodide	3.29	142	185257	19.076	ug/l	98
11) Tert butyl alcohol	4.07	59	43116	94.454	ug/l	99
12) 1,1-Dichloroethene	3.10	96	106523	18.963	ug/l	94
13) Acrolein	3.02	56	19139	138.918	ug/l	90
14) Allyl chloride	3.60	41	190282	21.553	ug/l	92
15) Acrylonitrile	4.18	53	103818	102.888	ug/l	91
16) Acetone	3.21	43	171792	89.924	ug/l #	85
17) Carbon Disulfide	3.35	76	334772	20.821	ug/l	97
18) Methyl Acetate	3.63	43	92386	34.757	ug/l #	90
19) Methyl tert-butyl Ether	4.22	73	284468	20.061	ug/l	94
20) Methylene Chloride	3.79	84	133094	18.441	ug/l	96
21) trans-1,2-Dichloroethene	4.19	96	135471	21.725	ug/l	95
22) Diisopropyl ether	5.11	45	408451	21.280	ug/l	95
23) Vinyl Acetate	5.04	43	1150733	102.759	ug/l	97
24) 1,1-Dichloroethane	4.96	63	242299	20.493	ug/l	99
25) 2-Butanone	6.06	43	181105	99.274	ug/l	100
26) 2,2-Dichloropropane	6.01	77	264590	20.220	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	147504	20.794	ug/l	93
28) Bromochloromethane	6.43	49	100969	23.538	ug/l	96
29) Tetrahydrofuran	6.45	42	79351	95.955	ug/l	94
30) Chloroform	6.65	83	308774	21.205	ug/l	97
31) Cyclohexane	6.94	56	157921	20.973	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	307440	21.411	ug/l	92
36) 1,1-Dichloropropene	7.13	75	186322	19.739	ug/l	99
37) Ethyl Acetate	6.17	43	93434	23.128	ug/l	97
38) Carbon Tetrachloride	7.09	117	291625	20.332	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	163211	20.000	ug/l	98
40) Benzene	7.44	78	401739	20.321	ug/l	99
41) Methacrylonitrile	6.45	41	113845	20.786	ug/l #	87
42) 1,2-Dichloroethane	7.57	62	220463	20.931	ug/l	94
43) Isopropyl Acetate	9.23	43	117561	20.302	ug/l #	98
44) Trichloroethene	8.53	130	158842	20.790	ug/l	97
45) 1,2-Dichloropropane	8.93	63	101115	20.514	ug/l	91
46) Dibromomethane	9.05	93	90052	21.260	ug/l	94
47) Bromodichloromethane	9.37	83	221018	19.996	ug/l	96
48) Methyl methacrylate	9.11	41	75471	19.847	ug/l	90
49) 1,4-Dioxane	9.08	88	17130	522.346	ug/l #	84
51) 4-Methyl-2-Pentanone	10.29	43	400113	104.181	ug/l	100
52) Toluene	10.50	92	288666	21.866	ug/l	95
53) t-1,3-Dichloropropene	10.90	75	204341	21.578	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	197841	20.205	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	97040	21.270	ug/l	97
56) Ethyl methacrylate	11.03	69	105037	20.606	ug/l	96
57) 1,3-Dichloropropane	11.40	76	142880	20.581	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	277169	97.653	ug/l	94
59) 2-Hexanone	11.52	43	295750	99.852	ug/l	96
60) Dibromochloromethane	11.68	129	186269	21.299	ug/l	90
61) 1,2-Dibromoethane	11.80	107	123217	22.563	ug/l	98
64) Tetrachloroethene	11.25	164	152764	22.845	ug/l	94
65) Chlorobenzene	12.39	112	353526	21.823	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.51	131	158023	21.040	ug/l	97
67) Ethyl Benzene	12.52	91	612863	21.773	ug/l	98
68) m/p-Xylenes	12.67	106	416553	41.318	ug/l	100
69) o-Xylene	13.04	106	211073	22.080	ug/l	97
70) Styrene	13.07	104	382260	22.845	ug/l	96
71) Bromoform	13.23	173	111323	21.171	ug/l	97
73) Isopropylbenzene	13.41	105	666740	21.116	ug/l	99
74) N-amyl acetate	13.27	43	165441	18.787	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	112422	19.569	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	132108	21.004	ug/l	96
77) Bromobenzene	13.66	156	173542	19.381	ug/l	82
78) n-propylbenzene	13.77	91	739010	20.338	ug/l	98
79) 2-Chlorotoluene	13.84	91	445076	20.258	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	551768	20.050	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	30431	18.373	ug/l	93
82) 4-Chlorotoluene	13.95	91	533530	20.796	ug/l	99
83) tert-Butylbenzene	14.18	119	635667	20.429	ug/l	83
84) 1,2,4-Trimethylbenzene	14.23	105	573876	20.917	ug/l	100
85) sec-Butylbenzene	14.37	105	593407	17.949	ug/l	100
86) p-Isopropyltoluene	14.49	119	635704	20.612	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	301291	18.841	ug/l	91
88) 1,4-Dichlorobenzene	14.54	146	323053	21.073	ug/l	97
89) n-Butylbenzene	14.79	91	501069	17.626	ug/l	96
90) Hexachloroethane	15.01	117	158821	19.263	ug/l	98
91) 1,2-Dichlorobenzene	14.80	146	267595	18.793	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	22925	20.819	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	202094	18.891	ug/l	99
94) Hexachlorobutadiene	16.03	225	151452	19.207	ug/l	98
95) Naphthalene	16.12	128	324228	20.719	ug/l	95
96) 1,2,3-Trichlorobenzene	16.27	180	177168	20.587	ug/l	98

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

