

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120418\
 Data File : VD060482.D
 Acq On : 4 Dec 2018 12:46
 Operator : VA/AP
 Sample : VD1204SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1204SBS01

Quant Time: Dec 05 02:23:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1346196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1787852	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1450176	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	756358	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	479344	49.73	ug/l	0.00
Spiked Amount						
			Recovery	=	99.46%	
35) Dibromofluoromethane	6.34	113	711561	53.37	ug/l	0.00
Spiked Amount						
			Recovery	=	106.74%	
50) Toluene-d8	9.46	98	2024932	51.90	ug/l	0.00
Spiked Amount						
			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.43	95	728944	51.56	ug/l	-0.01
Spiked Amount						
			Recovery	=	103.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	259810	22.043	ug/l	95
3) Chloromethane	1.77	50	269853	21.162	ug/l	100
4) Vinyl Chloride	1.87	62	233305	22.403	ug/l	99
5) Bromomethane	2.16	94	41683	16.871	ug/l	95
6) Chloroethane	2.27	64	64552	18.682	ug/l	95
7) Trichlorofluoromethane	2.53	101	274159	22.330	ug/l	100
8) Diethyl Ether	2.84	74	53236	23.949	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.11	101	195896	24.259	ug/l	96
10) Methyl Iodide	3.26	142	213373	20.344	ug/l	94
11) Tert butyl alcohol	3.98	59	46217	116.765	ug/l #	93
12) 1,1-Dichloroethene	3.09	96	160814	24.482	ug/l	89
13) Acrolein	3.01	56	32334	69.135	ug/l	84
14) Allyl chloride	3.55	41	293735	23.371	ug/l	98
15) Acrylonitrile	4.10	53	250267	108.427	ug/l	97
16) Acetone	3.17	43	200763	120.075	ug/l	97
17) Carbon Disulfide	3.33	76	450206	21.234	ug/l	98
18) Methyl Acetate	3.57	43	83807	23.508	ug/l	99
19) Methyl tert-butyl Ether	4.14	73	416330	21.167	ug/l	99
20) Methylene Chloride	3.74	84	366595	24.717	ug/l	99
21) trans-1,2-Dichloroethene	4.12	96	313831	21.518	ug/l	99
22) Diisopropyl ether	4.87	45	1029586	21.927	ug/l	96
23) Vinyl Acetate	4.82	43	2533359	108.429	ug/l	98
24) 1,1-Dichloroethane	4.77	63	512120	21.269	ug/l	99
25) 2-Butanone	5.63	43	372737	107.252	ug/l	99
26) 2,2-Dichloropropane	5.60	77	424102	22.655	ug/l	98
27) cis-1,2-Dichloroethene	5.61	96	339919	22.372	ug/l	98
28) Bromochloromethane	5.94	49	218249	20.543	ug/l	88
29) Tetrahydrofuran	5.96	42	192020	104.798	ug/l	99
30) Chloroform	6.12	83	524773	21.801	ug/l	100
31) Cyclohexane	6.37	56	467955	20.333	ug/l	98
32) 1,1,1-Trichloroethane	6.31	97	436228	21.514	ug/l	98
36) 1,1-Dichloropropene	6.53	75	400287	22.662	ug/l	98
37) Ethyl Acetate	5.71	43	181742	22.360	ug/l	98
38) Carbon Tetrachloride	6.51	117	378146	23.079	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	445722	21.940	ug/l	98
40) Benzene	6.81	78	1049045	23.267	ug/l	100
41) Methacrylonitrile	5.96	41	210283	22.604	ug/l #	93
42) 1,2-Dichloroethane	6.91	62	255066	21.613	ug/l	99
43) Isopropyl Acetate	8.35	43	222623	21.805	ug/l #	97
44) Trichloroethene	7.75	130	311458	22.788	ug/l	99
45) 1,2-Dichloropropane	8.11	63	253821	22.322	ug/l	99
46) Dibromomethane	8.22	93	145892	21.906	ug/l	97
47) Bromodichloromethane	8.50	83	358056	22.815	ug/l	100
48) Methyl methacrylate	8.25	41	128723	20.757	ug/l	93
49) 1,4-Dioxane	8.23	88	25304	471.581	ug/l #	80
51) 4-Methyl-2-Pentanone	9.35	43	755019	113.621	ug/l	99
52) Toluene	9.55	92	654531	22.726	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	283307	21.365	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	371672	21.854	ug/l	97
55) 1,1,2-Trichloroethane	10.19	97	179447	21.497	ug/l	98
56) Ethyl methacrylate	10.04	69	168059	21.896	ug/l	98
57) 1,3-Dichloropropane	10.39	76	281283	22.114	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	539847	116.326	ug/l	98
59) 2-Hexanone	10.50	43	556974	117.600	ug/l	100
60) Dibromochloromethane	10.65	129	229865	22.653	ug/l	98
61) 1,2-Dibromoethane	10.76	107	186151	22.257	ug/l	99
64) Tetrachloroethene	10.26	164	293230	22.650	ug/l	96
65) Chlorobenzene	11.31	112	721022	22.947	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	237548	23.106	ug/l	97
67) Ethyl Benzene	11.43	91	1264683	23.529	ug/l	99
68) m/p-Xylenes	11.57	106	940949	47.456	ug/l	98
69) o-Xylene	11.93	106	433107	22.610	ug/l	100
70) Styrene	11.96	104	697996	22.547	ug/l	100
71) Bromoform	12.12	173	150917	21.846	ug/l	97
73) Isopropylbenzene	12.28	105	1235397	22.418	ug/l	99
74) N-amyl acetate	12.14	43	290721	20.578	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	196182	21.768	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	190371	21.041	ug/l	97
77) Bromobenzene	12.54	156	312201	21.329	ug/l	97
78) n-propylbenzene	12.64	91	1585931	23.057	ug/l	99
79) 2-Chlorotoluene	12.71	91	838619	22.261	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	966445	22.567	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.35	75	53822	20.894	ug/l	98
82) 4-Chlorotoluene	12.81	91	956579	22.605	ug/l	98
83) tert-Butylbenzene	13.05	119	1072096	22.549	ug/l	91
84) 1,2,4-Trimethylbenzene	13.10	105	987081	23.079	ug/l	99
85) sec-Butylbenzene	13.22	105	1309695	22.452	ug/l	99
86) p-Isopropyltoluene	13.34	119	1073503	22.852	ug/l	95
87) 1,3-Dichlorobenzene	13.31	146	577211	22.164	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	568800	22.364	ug/l	95
89) n-Butylbenzene	13.65	91	1161380	22.804	ug/l	96
90) Hexachloroethane	13.86	117	256919	23.065	ug/l	89
91) 1,2-Dichlorobenzene	13.67	146	498040	23.283	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.23	75	21268	19.550	ug/l	64

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93) 1,2,4-Trichlorobenzene	14.79	180	367312	21.658	ug/l	95
94) Hexachlorobutadiene	14.89	225	277665	21.888	ug/l	99
95) Naphthalene	14.98	128	436857	21.095	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	281756	20.732	ug/l	98

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

