

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062669.D
 Acq On : 12 Jun 2019 12:54
 Operator : VA/AP
 Sample : VD0612SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

Quant Time: Jun 13 07:23:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	660694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	861038	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	761000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	424056	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	539433	56.58	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	113.16%	
35) Dibromofluoromethane	6.91	113	546737	60.21	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	120.42%	
50) Toluene-d8	10.40	98	1105920	57.89	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	115.78%	
62) 4-Bromofluorobenzene	13.55	95	538665	60.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	187557	23.027	ug/l	91
3) Chloromethane	1.74	50	156919	24.004	ug/l	91
4) Vinyl Chloride	1.84	62	148879	22.085	ug/l	99
5) Bromomethane	2.14	94	65936	19.377	ug/l	93
6) Chloroethane	2.25	64	74402	22.355	ug/l	92
7) Trichlorofluoromethane	2.52	101	320081	21.214	ug/l	99
8) Diethyl Ether	2.86	74	41723	20.331	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.13	101	175789	21.603	ug/l	98
10) Methyl Iodide	3.29	142	198583	19.472	ug/l	93
11) Tert butyl alcohol	4.08	59	41190	105.107	ug/l #	84
12) 1,1-Dichloroethene	3.11	96	122080	20.905	ug/l	84
13) Acrolein	3.03	56	11820	93.767	ug/l #	82
14) Allyl chloride	3.60	41	185092	20.614	ug/l	87
15) Acrylonitrile	4.19	53	105588	118.568	ug/l	93
16) Acetone	3.22	43	190836	109.313	ug/l	94
17) Carbon Disulfide	3.35	76	367487	21.355	ug/l	97
18) Methyl Acetate	3.64	43	75360	26.266	ug/l	100
19) Methyl tert-butyl Ether	4.23	73	336754	23.644	ug/l	100
20) Methylene Chloride	3.81	84	149909	22.484	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	133818	20.891	ug/l	96
22) Diisopropyl ether	5.12	45	425925	22.845	ug/l	89
23) Vinyl Acetate	5.04	43	1342999	116.112	ug/l	98
24) 1,1-Dichloroethane	4.97	63	265110	22.104	ug/l	97
25) 2-Butanone	6.06	43	199665	117.232	ug/l #	89
26) 2,2-Dichloropropane	6.01	77	306215	22.152	ug/l	100
27) cis-1,2-Dichloroethene	6.02	96	160437	23.104	ug/l	98
28) Bromochloromethane	6.43	49	92428	20.160	ug/l	92
29) Tetrahydrofuran	6.45	42	90013	117.360	ug/l	95
30) Chloroform	6.65	83	360510	23.427	ug/l	97
31) Cyclohexane	6.94	56	169289	22.501	ug/l	93
32) 1,1,1-Trichloroethane	6.85	97	347007	22.662	ug/l	96
36) 1,1-Dichloropropene	7.13	75	215082	21.826	ug/l	100
37) Ethyl Acetate	6.18	43	107367	26.140	ug/l #	91
38) Carbon Tetrachloride	7.09	117	368917	23.685	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	179949	22.597	ug/l	94
40) Benzene	7.44	78	429040	22.294	ug/l	97
41) Methacrylonitrile	6.43	41	126293	24.482	ug/l #	94
42) 1,2-Dichloroethane	7.57	62	267016	23.278	ug/l	95
43) Isopropyl Acetate	9.23	43	120265	23.129	ug/l #	88
44) Trichloroethene	8.53	130	172576	22.088	ug/l	90
45) 1,2-Dichloropropane	8.94	63	112396	24.314	ug/l	93
46) Dibromomethane	9.05	93	98819	24.083	ug/l	92
47) Bromodichloromethane	9.37	83	254761	22.824	ug/l	91
48) Methyl methacrylate	9.11	41	87419	23.271	ug/l	95
49) 1,4-Dioxane	9.07	88	15548	488.240	ug/l #	81
51) 4-Methyl-2-Pentanone	10.29	43	435659	119.742	ug/l	99
52) Toluene	10.50	92	301847	23.334	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	231787	25.328	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	222865	23.562	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	108222	24.394	ug/l	95
56) Ethyl methacrylate	11.03	69	114105	23.604	ug/l	96
57) 1,3-Dichloropropane	11.40	76	162100	23.575	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	328133	138.387	ug/l	96
59) 2-Hexanone	11.52	43	334170	123.474	ug/l	99
60) Dibromochloromethane	11.68	129	202250	23.095	ug/l	93
61) 1,2-Dibromoethane	11.80	107	128642	24.228	ug/l	100
64) Tetrachloroethene	11.25	164	163103	22.895	ug/l	95
65) Chlorobenzene	12.39	112	366799	21.791	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.51	131	186287	23.204	ug/l	97
67) Ethyl Benzene	12.52	91	664667	22.271	ug/l	97
68) m/p-Xylenes	12.66	106	468539	44.656	ug/l	92
69) o-Xylene	13.04	106	230414	23.912	ug/l	94
70) Styrene	13.07	104	409975	23.845	ug/l	96
71) Bromoform	13.23	173	137807	23.940	ug/l	94
73) Isopropylbenzene	13.39	105	716029	23.956	ug/l	98
74) N-amyl acetate	13.26	43	170061	21.053	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	120258	23.514	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	135111	23.498	ug/l	96
77) Bromobenzene	13.66	156	186315	21.809	ug/l	84
78) n-propylbenzene	13.77	91	837493	22.891	ug/l	98
79) 2-Chlorotoluene	13.84	91	487972	22.779	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	633735	23.991	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	34894	22.765	ug/l	90
82) 4-Chlorotoluene	13.94	91	617809	24.116	ug/l	91
83) tert-Butylbenzene	14.18	119	664581	22.810	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	594337	22.724	ug/l	98
85) sec-Butylbenzene	14.36	105	747994	24.483	ug/l	94
86) p-Isopropyltoluene	14.49	119	638351	21.460	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	337370	21.799	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	351344	24.022	ug/l	97
89) n-Butylbenzene	14.79	91	632028	23.618	ug/l	96
90) Hexachloroethane	15.00	117	177629	22.620	ug/l	81
91) 1,2-Dichlorobenzene	14.80	146	313908	24.400	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	26925	24.647	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	237771	23.800	ug/l	95
94) Hexachlorobutadiene	16.03	225	170989	22.512	ug/l	99
95) Naphthalene	16.12	128	342088	24.148	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	169300	22.847	ug/l	97

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

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