

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050619\
 Data File : VD062128.D
 Acq On : 6 May 2019 13:59
 Operator : FY/SY
 Sample : VD0506SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

Quant Time: May 07 05:08:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	533029	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	799177	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	703475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	328714	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	219378	52.59	ug/l	-0.02
Spiked Amount			Recovery	=	105.18%	
35) Dibromofluoromethane	6.92	113	317166	57.38	ug/l	-0.02
Spiked Amount			Recovery	=	114.76%	
50) Toluene-d8	10.40	98	701270	53.32	ug/l	-0.02
Spiked Amount			Recovery	=	106.64%	
62) 4-Bromofluorobenzene	13.55	95	294802	55.89	ug/l	0.00
Spiked Amount			Recovery	=	111.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.73	50	5141	1.271	ug/l	93
4) Vinyl Chloride	1.84	62	7294	1.989	ug/l #	82
5) Bromomethane	2.13	94	6384	5.189	ug/l	96
6) Chloroethane	2.24	64	7165	5.406	ug/l	97
7) Trichlorofluoromethane	2.52	101	56924	10.268	ug/l	95
8) Diethyl Ether	2.86	74	21500	14.470	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.14	101	69494	13.608	ug/l	99
10) Methyl Iodide	3.29	142	42921	10.346	ug/l	96
11) Tert butyl alcohol	4.05	59	26353	111.804	ug/l	100
12) 1,1-Dichloroethene	3.12	96	49208	11.326	ug/l	94
13) Acrolein	3.03	56	18556	75.874	ug/l	93
14) Allyl chloride	3.61	41	83766	14.119	ug/l	96
15) Acrylonitrile	4.18	53	69672	95.457	ug/l	94
16) Acetone	3.20	43	95312	95.685	ug/l	93
17) Carbon Disulfide	3.36	76	60893	4.850	ug/l	98
18) Methyl Acetate	3.63	43	37324	19.335	ug/l	98
19) Methyl tert-butyl Ether	4.22	73	166540	19.319	ug/l	95
20) Methylene Chloride	3.81	84	77073	13.570	ug/l	92
21) trans-1,2-Dichloroethene	4.21	96	67216	13.486	ug/l	97
22) Diisopropyl ether	5.10	45	270122	19.501	ug/l	97
23) Vinyl Acetate	5.04	43	725093	100.521	ug/l	99
24) 1,1-Dichloroethane	4.97	63	155212	18.540	ug/l	99
25) 2-Butanone	6.05	43	126356	104.626	ug/l	100
26) 2,2-Dichloropropane	6.01	77	140907	19.293	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	104667	18.459	ug/l	95
28) Bromochloromethane	6.42	49	73199	22.851	ug/l	98
29) Tetrahydrofuran	6.44	42	61846	103.932	ug/l	98
30) Chloroform	6.66	83	189552	19.934	ug/l	99
31) Cyclohexane	6.96	56	74671	12.016	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	158095	19.108	ug/l	98
36) 1,1-Dichloropropene	7.13	75	113983	18.306	ug/l	96
37) Ethyl Acetate	6.17	43	60338	22.741	ug/l #	94
38) Carbon Tetrachloride	7.10	117	156816	19.875	ug/l	98
39) Methylcyclohexane	8.86	83	98746	16.074	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	7.45	78	281371	18.253	ug/l	97
41) Methacrylonitrile	6.43	41	70006	22.613	ug/l	94
42) 1,2-Dichloroethane	7.58	62	113925	21.767	ug/l	100
43) Isopropyl Acetate	9.23	43	86370	22.278	ug/l	98
44) Trichloroethene	8.53	130	119492	19.995	ug/l	99
45) 1,2-Dichloropropane	8.92	63	77365	19.784	ug/l	99
46) Dibromomethane	9.05	93	58876	20.924	ug/l	93
47) Bromodichloromethane	9.37	83	145442	21.875	ug/l	99
48) Methyl methacrylate	9.11	41	47830	21.623	ug/l	98
49) 1,4-Dioxane	9.06	88	11406	478.287	ug/l	88
51) 4-Methyl-2-Pentanone	10.29	43	277739	117.144	ug/l	99
52) Toluene	10.50	92	197129	20.057	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	129373	23.182	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	152324	22.441	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	70988	21.514	ug/l	97
56) Ethyl methacrylate	11.04	69	79485	21.750	ug/l	95
57) 1,3-Dichloropropane	11.40	76	104885	20.581	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	243809	143.495	ug/l	97
59) 2-Hexanone	11.52	43	228796	128.643	ug/l	97
60) Dibromochloromethane	11.68	129	127129	23.285	ug/l	99
61) 1,2-Dibromoethane	11.80	107	81500	20.822	ug/l	97
64) Tetrachloroethene	11.26	164	87022	17.341	ug/l	95
65) Chlorobenzene	12.40	112	260346	19.585	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	102840	18.238	ug/l	98
67) Ethyl Benzene	12.52	91	383018	17.653	ug/l	97
68) m/p-Xylenes	12.66	106	294343	37.535	ug/l	99
69) o-Xylene	13.05	106	156318	21.786	ug/l	95
70) Stvrene	13.07	104	270467	21.831	ug/l	99
71) Bromoform	13.24	173	70319	21.874	ug/l	98
73) Isopropylbenzene	13.40	105	440749	20.100	ug/l	99
74) N-amyl acetate	13.27	43	116878	20.697	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	88502	20.596	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	82297	19.716	ug/l	98
77) Bromobenzene	13.67	156	116478	18.517	ug/l	97
78) n-propylbenzene	13.77	91	497934	19.837	ug/l	97
79) 2-Chlorotoluene	13.84	91	269638	17.734	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	343873	19.668	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	24920	19.701	ug/l	98
82) 4-Chlorotoluene	13.94	91	324207	19.362	ug/l	94
83) tert-Butylbenzene	14.19	119	421125	20.792	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	353974	21.203	ug/l	94
85) sec-Butylbenzene	14.37	105	391844	17.905	ug/l	100
86) p-Isopropyltoluene	14.49	119	378073	19.303	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	220003	19.972	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	216749	21.040	ug/l	96
89) n-Butylbenzene	14.79	91	354079	20.136	ug/l	95
90) Hexachloroethane	15.01	117	107525	20.302	ug/l	87
91) 1,2-Dichlorobenzene	14.81	146	188079	20.699	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12543	21.353	ug/l	93
93) 1,2,4-Trichlorobenzene	15.94	180	111286	22.699	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	16.03	225	81208	22.383	ug/l	97
95) Naphthalene	16.12	128	187236	23.653	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	75218	27.040	ug/l	98

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

