

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040519\
 Data File : VD061617.D
 Acq On : 5 Apr 2019 13:31
 Operator : VA/AP
 Sample : VD0405SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0405SBS01

Quant Time: Apr 05 13:59:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	600751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1004259	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	769144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	380985	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	263655	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
35) Dibromofluoromethane	6.90	113	410487	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
50) Toluene-d8	10.39	98	1044679	56.76	ug/l	0.00
Spiked Amount			Recovery	=	113.52%	
62) 4-Bromofluorobenzene	13.55	95	392286	55.58	ug/l	0.00
Spiked Amount			Recovery	=	111.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	139455	21.736	ug/l	99
3) Chloromethane	1.76	50	118622	22.671	ug/l	99
4) Vinyl Chloride	1.85	62	109202	22.730	ug/l	97
5) Bromomethane	2.15	94	20115	21.114	ug/l	92
6) Chloroethane	2.26	64	32444	23.028	ug/l	100
7) Trichlorofluoromethane	2.52	101	165346	23.668	ug/l	99
8) Diethyl Ether	2.87	74	46755	20.787	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.14	101	163413	21.758	ug/l	92
10) Methyl Iodide	3.30	142	199788	19.751	ug/l	98
11) Tert butyl alcohol	4.05	59	31624	98.950	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	147357	22.852	ug/l	99
13) Acrolein	3.03	56	18503	58.428	ug/l	89
14) Allyl chloride	3.61	41	200299	22.271	ug/l	98
15) Acrylonitrile	4.18	53	120366	108.511	ug/l	95
16) Acetone	3.21	43	141560	107.305	ug/l	98
17) Carbon Disulfide	3.37	76	426016	20.334	ug/l	99
18) Methyl Acetate	3.63	43	60503	21.813	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	250278	22.422	ug/l	99
20) Methylene Chloride	3.80	84	181205	23.502	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	157536	22.629	ug/l	96
22) Diisopropyl ether	5.10	45	416047	21.860	ug/l	98
23) Vinyl Acetate	5.04	43	1096139	106.028	ug/l	100
24) 1,1-Dichloroethane	4.96	63	256629	22.944	ug/l	99
25) 2-Butanone	6.05	43	174879	105.382	ug/l	99
26) 2,2-Dichloropropane	6.01	77	210937	23.723	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	176428	23.130	ug/l	93
28) Bromochloromethane	6.42	49	101744	22.534	ug/l #	91
29) Tetrahydrofuran	6.44	42	86200	107.169	ug/l	100
30) Chloroform	6.65	83	264475	22.884	ug/l	99
31) Cyclohexane	6.94	56	198085	22.411	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	224839	22.052	ug/l	95
36) 1,1-Dichloropropene	7.13	75	204609	23.344	ug/l	98
37) Ethyl Acetate	6.16	43	83107	22.170	ug/l	99
38) Carbon Tetrachloride	7.09	117	249017	24.724	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	215596	23.618	ug/l	97
40) Benzene	7.43	78	481676	21.897	ug/l	98
41) Methacrylonitrile	6.42	41	98096	22.381	ug/l #	92
42) 1,2-Dichloroethane	7.55	62	164099	24.939	ug/l	99
43) Isopropyl Acetate	9.22	43	119669	21.941	ug/l	99
44) Trichloroethene	8.52	130	180693	22.073	ug/l	97
45) 1,2-Dichloropropane	8.92	63	128735	23.079	ug/l	99
46) Dibromomethane	9.04	93	88311	23.522	ug/l	91
47) Bromodichloromethane	9.36	83	203329	24.130	ug/l	98
48) Methyl methacrylate	9.10	41	65123	21.635	ug/l	97
49) 1,4-Dioxane	9.06	88	14512	437.103	ug/l	89
51) 4-Methyl-2-Pentanone	10.28	43	363036	109.407	ug/l	98
52) Toluene	10.49	92	324370	24.170	ug/l	98
53) t-1,3-Dichloropropene	10.89	75	176148	23.008	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	214970	23.060	ug/l	94
55) 1,1,2-Trichloroethane	11.18	97	100990	21.518	ug/l	98
56) Ethyl methacrylate	11.03	69	111676	22.150	ug/l	99
57) 1,3-Dichloropropane	11.39	76	162075	23.495	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.84	63	272677	111.053	ug/l	98
59) 2-Hexanone	11.52	43	276036	114.817	ug/l	96
60) Dibromochloromethane	11.67	129	164428	22.726	ug/l	99
61) 1,2-Dibromoethane	11.79	107	128235	23.596	ug/l	94
64) Tetrachloroethene	11.24	164	144976	24.017	ug/l	97
65) Chlorobenzene	12.39	112	382289	24.321	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	158157	25.986	ug/l	98
67) Ethyl Benzene	12.52	91	640609	26.700	ug/l	98
68) m/p-Xylenes	12.65	106	475885	52.361	ug/l	96
69) o-Xylene	13.04	106	231598	26.259	ug/l	97
70) Styrene	13.06	104	406856	26.463	ug/l	96
71) Bromoform	13.22	173	89742	23.261	ug/l	98
73) Isopropylbenzene	13.39	105	616418	23.247	ug/l	100
74) N-amyl acetate	13.25	43	154282	20.887	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	113979	20.377	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	110207	20.025	ug/l	98
77) Bromobenzene	13.66	156	170086	21.637	ug/l	92
78) n-propylbenzene	13.77	91	716455	22.079	ug/l	99
79) 2-Chlorotoluene	13.82	91	402741	22.858	ug/l	92
80) 1,3,5-Trimethylbenzene	13.92	105	514757	25.020	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	33681	20.072	ug/l	97
82) 4-Chlorotoluene	13.93	91	484041	25.266	ug/l	87
83) tert-Butylbenzene	14.18	119	575283	22.375	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	478595	21.487	ug/l	98
85) sec-Butylbenzene	14.36	105	618028	22.627	ug/l	99
86) p-Isopropyltoluene	14.48	119	486922	21.082	ug/l	99
87) 1,3-Dichlorobenzene	14.44	146	300448	22.570	ug/l	98
88) 1,4-Dichlorobenzene	14.52	146	298391	22.986	ug/l	94
89) n-Butylbenzene	14.79	91	481227	22.700	ug/l	99
90) Hexachloroethane	15.00	117	147602	22.621	ug/l	75
91) 1,2-Dichlorobenzene	14.80	146	237677	21.768	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	13598	20.727	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	109930	22.101	ug/l	96
94) Hexachlorobutadiene	16.03	225	89450	23.014	ug/l	98
95) Naphthalene	16.12	128	179473	23.672	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	48985	22.380	ug/l	93

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

