

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061809.D
 Acq On : 16 Apr 2019 14:15
 Operator : VA/AP
 Sample : VD0416SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0416SBS01

Quant Time: Apr 16 14:39:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	686866	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.23	114	1081765	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	906500	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	414022	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	263432	45.76	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	91.52%	
35) Dibromofluoromethane	6.94	113	408698	50.01	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.42	98	918998	47.46	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	94.92%	
62) 4-Bromofluorobenzene	13.56	95	350800	44.69	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	89.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	112963	16.850	ug/l	99
3) Chloromethane	1.77	50	98324	18.403	ug/l	91
4) Vinyl Chloride	1.86	62	100169	18.891	ug/l	95
5) Bromomethane	2.16	94	21161	15.274	ug/l	93
6) Chloroethane	2.27	64	29838	16.495	ug/l	99
7) Trichlorofluoromethane	2.54	101	140602	16.350	ug/l	98
8) Diethyl Ether	2.88	74	40345	17.901	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.17	101	146347	19.085	ug/l	100
10) Methyl Iodide	3.32	142	138390	14.025	ug/l	99
11) Tert butyl alcohol	4.08	59	32758	96.495	ug/l #	94
12) 1,1-Dichloroethene	3.14	96	120127	18.635	ug/l	99
13) Acrolein	3.05	56	34400	104.672	ug/l	98
14) Allyl chloride	3.63	41	169578	19.299	ug/l	98
15) Acrylonitrile	4.21	53	104815	98.348	ug/l	98
16) Acetone	3.22	43	122129	86.080	ug/l	96
17) Carbon Disulfide	3.39	76	365031	17.525	ug/l	98
18) Methyl Acetate	3.65	43	56130	19.738	ug/l	100
19) Methyl tert-butyl Ether	4.25	73	229479	19.075	ug/l	98
20) Methylene Chloride	3.84	84	149816	18.339	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	135640	19.146	ug/l	99
22) Diisopropyl ether	5.13	45	378645	20.159	ug/l	98
23) Vinyl Acetate	5.08	43	1032740	102.858	ug/l	100
24) 1,1-Dichloroethane	5.01	63	219776	19.299	ug/l	98
25) 2-Butanone	6.09	43	151759	93.954	ug/l	98
26) 2,2-Dichloropropane	6.03	77	177923	18.076	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	138806	18.074	ug/l	96
28) Bromochloromethane	6.44	49	77231	17.855	ug/l	95
29) Tetrahydrofuran	6.46	42	80133	101.846	ug/l	99
30) Chloroform	6.68	83	249267	19.625	ug/l	97
31) Cyclohexane	6.97	56	169077	19.395	ug/l	98
32) 1,1,1-Trichloroethane	6.89	97	212659	18.887	ug/l	98
36) 1,1-Dichloropropene	7.16	75	186990	21.153	ug/l	93
37) Ethyl Acetate	6.19	43	81639	21.579	ug/l	97
38) Carbon Tetrachloride	7.12	117	217762	19.509	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	177699	19.358	ug/l	98
40) Benzene	7.47	78	419176	19.752	ug/l	98
41) Methacrylonitrile	6.45	41	92207	20.620	ug/l #	98
42) 1,2-Dichloroethane	7.59	62	150176	20.318	ug/l	98
43) Isopropyl Acetate	9.25	43	112190	21.072	ug/l	96
44) Trichloroethene	8.55	130	174591	21.370	ug/l	98
45) 1,2-Dichloropropane	8.94	63	115777	20.944	ug/l	97
46) Dibromomethane	9.07	93	83148	21.110	ug/l	96
47) Bromodichloromethane	9.39	83	181486	19.972	ug/l	98
48) Methyl methacrylate	9.12	41	60983	19.486	ug/l	94
49) 1,4-Dioxane	9.09	88	14796	432.550	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	341937	105.022	ug/l	99
52) Toluene	10.52	92	276148	20.305	ug/l	95
53) t-1,3-Dichloropropene	10.92	75	145071	17.717	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	201306	20.945	ug/l	100
55) 1,1,2-Trichloroethane	11.20	97	93638	20.433	ug/l	94
56) Ethyl methacrylate	11.05	69	100632	20.008	ug/l	99
57) 1,3-Dichloropropane	11.42	76	139084	20.188	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	240211	100.409	ug/l	97
59) 2-Hexanone	11.54	43	240338	99.387	ug/l	96
60) Dibromochloromethane	11.69	129	158227	21.102	ug/l	97
61) 1,2-Dibromoethane	11.81	107	121577	21.576	ug/l	87
64) Tetrachloroethene	11.27	164	122932	18.083	ug/l	97
65) Chlorobenzene	12.41	112	325703	19.293	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	148587	21.002	ug/l	96
67) Ethyl Benzene	12.53	91	581184	21.497	ug/l	99
68) m/p-Xylenes	12.68	106	407988	40.175	ug/l	97
69) o-Xylene	13.05	106	192628	20.180	ug/l	100
70) Styrene	13.08	104	318613	19.397	ug/l	98
71) Bromoform	13.24	173	82209	19.576	ug/l	99
73) Isopropylbenzene	13.40	105	542224	20.194	ug/l	100
74) N-amyl acetate	13.27	43	138173	19.137	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	107136	20.186	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	99667	18.331	ug/l	94
77) Bromobenzene	13.67	156	147777	19.375	ug/l	85
78) n-propylbenzene	13.78	91	587010	18.922	ug/l	99
79) 2-Chlorotoluene	13.85	91	363945	20.083	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	430864	20.224	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	30720	19.596	ug/l	96
82) 4-Chlorotoluene	13.96	91	406581	19.601	ug/l	100
83) tert-Butylbenzene	14.19	119	493024	19.708	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	451376	21.077	ug/l	99
85) sec-Butylbenzene	14.37	105	555760	21.490	ug/l	100
86) p-Isopropyltoluene	14.50	119	531444	21.964	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	282380	21.207	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	268885	20.428	ug/l	95
89) n-Butylbenzene	14.80	91	429833	20.069	ug/l	97
90) Hexachloroethane	15.01	117	133326	20.216	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	231828	20.785	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	11708	18.422	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	118153	19.287	ug/l	94
94) Hexachlorobutadiene	16.04	225	90237	20.326	ug/l	98
95) Naphthalene	16.13	128	168333	17.928	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	61753	17.689	ug/l	97

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

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