

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061760.D
 Acq On : 12 Apr 2019 2:52
 Operator : VA/AP
 Sample : VD0411SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0411SBS02

Quant Time: Apr 12 03:16:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	528279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	897885	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	669939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	347971	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	208673	52.11	ug/l	-0.02
Spiked Amount			Recovery	=	104.22%	
35) Dibromofluoromethane	6.91	113	299676	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	10.40	98	634966	40.63	ug/l	0.00
Spiked Amount			Recovery	=	81.26%	
62) 4-Bromofluorobenzene	13.55	95	278638	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	96815	16.987	ug/l	98
3) Chloromethane	1.75	50	91461	19.859	ug/l	93
4) Vinyl Chloride	1.84	62	84380	19.607	ug/l	98
5) Bromomethane	2.15	94	20180	20.259	ug/l	99
6) Chloroethane	2.26	64	29728	22.055	ug/l	91
7) Trichlorofluoromethane	2.52	101	139789	21.513	ug/l	94
8) Diethyl Ether	2.87	74	37624	20.632	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	119667	18.732	ug/l	95
10) Methyl Iodide	3.30	142	168903	20.088	ug/l	96
11) Tert butyl alcohol	4.06	59	25321	94.353	ug/l #	89
12) 1,1-Dichloroethene	3.12	96	107947	19.601	ug/l	99
13) Acrolein	3.02	56	21822	66.694	ug/l	89
14) Allyl chloride	3.61	41	151474	20.166	ug/l	97
15) Acrylonitrile	4.19	53	94174	101.942	ug/l	98
16) Acetone	3.21	43	97021	81.052	ug/l	95
17) Carbon Disulfide	3.37	76	331404	18.520	ug/l	98
18) Methyl Acetate	3.63	43	49777	22.102	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	219579	23.027	ug/l	99
20) Methylene Chloride	3.81	84	144162	21.223	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	126068	21.076	ug/l	98
22) Diisopropyl ether	5.10	45	347826	22.086	ug/l	99
23) Vinyl Acetate	5.04	43	928602	106.862	ug/l	100
24) 1,1-Dichloroethane	4.97	63	204347	21.175	ug/l	99
25) 2-Butanone	6.06	43	133115	96.462	ug/l	97
26) 2,2-Dichloropropane	6.01	77	161465	20.548	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	141720	22.209	ug/l	94
28) Bromochloromethane	6.42	49	69302	19.467	ug/l	98
29) Tetrahydrofuran	6.44	42	68332	102.576	ug/l	98
30) Chloroform	6.65	83	222009	21.960	ug/l	96
31) Cyclohexane	6.94	56	135045	17.912	ug/l	96
32) 1,1,1-Trichloroethane	6.85	97	186858	21.091	ug/l	96
36) 1,1-Dichloropropene	7.13	75	155885	19.837	ug/l	96
37) Ethyl Acetate	6.17	43	74370	23.235	ug/l	97
38) Carbon Tetrachloride	7.10	117	189908	20.620	ug/l	99

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39) Methylcyclohexane	8.85	83	149006	18.470	ug/l	95
40) Benzene	7.44	78	407396	21.490	ug/l	100
41) Methacrylonitrile	6.43	41	79173	21.190	ug/l	98
42) 1,2-Dichloroethane	7.56	62	141180	23.680	ug/l	96
43) Isopropyl Acetate	9.23	43	95276	20.511	ug/l #	99
44) Trichloroethene	8.53	130	135044	18.581	ug/l	95
45) 1,2-Dichloropropane	8.93	63	98876	21.031	ug/l	100
46) Dibromomethane	9.05	93	75907	22.591	ug/l	95
47) Bromodichloromethane	9.36	83	163574	22.165	ug/l	98
48) Methyl methacrylate	9.11	41	58039	21.675	ug/l	99
49) 1,4-Dioxane	9.07	88	13040	441.201	ug/l	97
51) 4-Methyl-2-Pentanone	10.29	43	299220	108.920	ug/l	100
52) Toluene	10.50	92	234542	19.813	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	148448	22.948	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	164463	20.624	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	80499	20.162	ug/l	97
56) Ethyl methacrylate	11.03	69	91622	21.753	ug/l	95
57) 1,3-Dichloropropane	11.39	76	131251	22.448	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.85	63	219688	110.542	ug/l	98
59) 2-Hexanone	11.52	43	214470	100.595	ug/l	99
60) Dibromochloromethane	11.68	129	137405	21.783	ug/l	98
61) 1,2-Dibromoethane	11.80	107	101475	21.733	ug/l	100
64) Tetrachloroethene	11.24	164	124728	23.985	ug/l	98
65) Chlorobenzene	12.39	112	305331	22.982	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	118646	23.208	ug/l	95
67) Ethyl Benzene	12.51	91	461711	22.822	ug/l	98
68) m/p-Xylenes	12.66	106	382564	49.049	ug/l	97
69) o-Xylene	13.04	106	180314	23.949	ug/l	97
70) Styrene	13.07	104	293633	22.837	ug/l	99
71) Bromoform	13.22	173	73298	23.108	ug/l	96
73) Isopropylbenzene	13.39	105	446275	19.248	ug/l	99
74) N-amyl acetate	13.26	43	115539	18.341	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	91658	19.119	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	90561	19.129	ug/l	97
77) Bromobenzene	13.66	156	135379	20.116	ug/l	96
78) n-propylbenzene	13.77	91	514526	18.552	ug/l	98
79) 2-Chlorotoluene	13.83	91	354182	22.331	ug/l	95
80) 1,3,5-Trimethylbenzene	13.92	105	357175	19.409	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	26283	18.295	ug/l	93
82) 4-Chlorotoluene	13.94	91	356414	20.508	ug/l	97
83) tert-Butylbenzene	14.18	119	452636	20.400	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	389983	20.997	ug/l	95
85) sec-Butylbenzene	14.36	105	442355	18.452	ug/l	98
86) p-Isopropyltoluene	14.48	119	410599	19.744	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	237405	20.497	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	231025	19.769	ug/l	99
89) n-Butylbenzene	14.79	91	324373	17.945	ug/l	98
90) Hexachloroethane	15.01	117	118500	21.000	ug/l	72
91) 1,2-Dichlorobenzene	14.80	146	183061	19.177	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	12802	22.129	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	90851	18.681	ug/l	97
94) Hexachlorobutadiene	16.03	225	67480	17.969	ug/l	100
95) Naphthalene	16.12	128	161832	21.030	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	52892	21.791	ug/l	98

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

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