

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
 Data File : VD061653.D
 Acq On : 8 Apr 2019 16:16
 Operator : VA/AP
 Sample : VD0408SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0408SBS02

Quant Time: Apr 09 01:20:01 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	7.06	168	588878	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	967275	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	763661	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	392046	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	251422	56.33	ug/l	0.01
Spiked Amount			Recovery	=	112.66%	
35) Dibromofluoromethane	6.93	113	369633	55.16	ug/l	0.01
Spiked Amount			Recovery	=	110.32%	
50) Toluene-d8	10.42	98	877767	52.14	ug/l	0.01
Spiked Amount			Recovery	=	104.28%	
62) 4-Bromofluorobenzene	13.56	95	362593	65.37	ug/l	0.00
Spiked Amount			Recovery	=	130.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	119464	18.804	ug/l	98
3) Chloromethane	1.76	50	101338	19.739	ug/l	99
4) Vinyl Chloride	1.84	62	91415	19.056	ug/l	98
5) Bromomethane	2.15	94	16557	14.911	ug/l	99
6) Chloroethane	2.26	64	24202	16.107	ug/l #	87
7) Trichlorofluoromethane	2.52	101	121870	16.825	ug/l	99
8) Diethyl Ether	2.88	74	41251	20.293	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.15	101	142439	20.002	ug/l	92
10) Methyl Iodide	3.31	142	152834	16.994	ug/l	98
11) Tert butyl alcohol	4.09	59	34975	116.915	ug/l #	90
12) 1,1-Dichloroethene	3.13	96	125853	20.501	ug/l	99
13) Acrolein	3.04	56	35283	96.738	ug/l	97
14) Allyl chloride	3.63	41	160091	19.120	ug/l	97
15) Acrylonitrile	4.21	53	101726	98.785	ug/l	92
16) Acetone	3.22	43	129879	97.336	ug/l	98
17) Carbon Disulfide	3.38	76	383457	19.223	ug/l	100
18) Methyl Acetate	3.65	43	54260	21.613	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	236645	22.263	ug/l	99
20) Methylene Chloride	3.82	84	157131	20.752	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	130667	19.597	ug/l	95
22) Diisopropyl ether	5.13	45	362692	20.660	ug/l	97
23) Vinyl Acetate	5.06	43	1018646	105.161	ug/l	100
24) 1,1-Dichloroethane	4.99	63	203436	18.911	ug/l	98
25) 2-Butanone	6.08	43	168924	109.815	ug/l	96
26) 2,2-Dichloropropane	6.04	77	176872	20.192	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	148179	20.832	ug/l	98
28) Bromochloromethane	6.44	49	81345	20.499	ug/l	82
29) Tetrahydrofuran	6.47	42	79755	107.403	ug/l	98
30) Chloroform	6.68	83	224916	19.958	ug/l	98
31) Cyclohexane	6.96	56	165190	19.656	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	202804	20.536	ug/l	99
36) 1,1-Dichloropropene	7.16	75	170905	20.189	ug/l	97
37) Ethyl Acetate	6.19	43	81422	23.614	ug/l	97
38) Carbon Tetrachloride	7.12	117	201452	20.305	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	175131	20.151	ug/l	97
40) Benzene	7.47	78	430057	21.058	ug/l	99
41) Methacrylonitrile	6.45	41	88937	22.095	ug/l #	95
42) 1,2-Dichloroethane	7.59	62	140145	21.820	ug/l	97
43) Isopropyl Acetate	9.25	43	106634	21.309	ug/l #	97
44) Trichloroethene	8.55	130	156076	19.934	ug/l	99
45) 1,2-Dichloropropane	8.95	63	108584	21.439	ug/l	99
46) Dibromomethane	9.08	93	72476	20.022	ug/l	90
47) Bromodichloromethane	9.39	83	169416	21.310	ug/l	100
48) Methyl methacrylate	9.13	41	60957	21.132	ug/l	98
49) 1,4-Dioxane	9.09	88	15539	488.037	ug/l	91
51) 4-Methyl-2-Pentanone	10.31	43	334862	113.150	ug/l	99
52) Toluene	10.53	92	255092	20.003	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	164623	23.623	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	169977	19.786	ug/l	97
55) 1,1,2-Trichloroethane	11.21	97	89761	20.869	ug/l	97
56) Ethyl methacrylate	11.05	69	106228	23.411	ug/l	98
57) 1,3-Dichloropropane	11.42	76	141550	22.472	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	267997	125.176	ug/l	96
59) 2-Hexanone	11.54	43	266385	115.982	ug/l	96
60) Dibromochloromethane	11.70	129	148628	21.872	ug/l	95
61) 1,2-Dibromoethane	11.82	107	106757	21.224	ug/l	94
64) Tetrachloroethene	11.27	164	123743	20.875	ug/l	98
65) Chlorobenzene	12.41	112	299664	19.787	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.53	131	125070	21.462	ug/l	94
67) Ethyl Benzene	12.54	91	500871	21.719	ug/l	100
68) m/p-Xylenes	12.67	106	393139	44.219	ug/l	97
69) o-Xylene	13.06	106	182914	21.313	ug/l	96
70) Styrene	13.08	104	324266	22.124	ug/l	99
71) Bromoform	13.24	173	86968	24.052	ug/l	98
73) Isopropylbenzene	13.41	105	487571	18.665	ug/l	99
74) N-amyl acetate	13.27	43	140936	19.857	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	104223	19.296	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	103507	19.406	ug/l	98
77) Bromobenzene	13.68	156	138589	18.278	ug/l	87
78) n-propylbenzene	13.79	91	629775	20.154	ug/l	96
79) 2-Chlorotoluene	13.84	91	351332	19.661	ug/l	91
80) 1,3,5-Trimethylbenzene	13.94	105	444170	21.423	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	33474	20.681	ug/l	94
82) 4-Chlorotoluene	13.95	91	397005	20.275	ug/l	94
83) tert-Butylbenzene	14.20	119	513387	20.537	ug/l	97
84) 1,2,4-Trimethylbenzene	14.25	105	430011	20.550	ug/l	97
85) sec-Butylbenzene	14.38	105	505117	18.702	ug/l	98
86) p-Isopropyltoluene	14.49	119	480837	20.522	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	283460	21.722	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	263958	20.047	ug/l	97
89) n-Butylbenzene	14.81	91	442013	21.704	ug/l	96
90) Hexachloroethane	15.02	117	128895	20.274	ug/l	75
91) 1,2-Dichlorobenzene	14.82	146	220082	20.463	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	13974	21.439	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	136335	24.882	ug/l	97
94) Hexachlorobutadiene	16.04	225	90900	21.485	ug/l	97
95) Naphthalene	16.13	128	220672	25.453	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	93029	34.019	ug/l	98

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

