

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061419\
 Data File : VD062706.D
 Acq On : 14 Jun 2019 13:02
 Operator : VA/AP
 Sample : VD0614SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Quant Time: Jun 15 04:36:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	735394	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	983838	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	801188	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	437548	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	555471	52.35	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.70%	
35) Dibromofluoromethane	6.93	113	556032	53.59	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.18%	
50) Toluene-d8	10.42	98	1232762	56.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.96%	
62) 4-Bromofluorobenzene	13.56	95	557374	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	202364	22.237	ug/l	98
3) Chloromethane	1.75	50	165611	22.760	ug/l	96
4) Vinyl Chloride	1.86	62	159153	21.211	ug/l	97
5) Bromomethane	2.16	94	69815	18.433	ug/l	96
6) Chloroethane	2.26	64	76529	20.658	ug/l #	79
7) Trichlorofluoromethane	2.53	101	328924	19.585	ug/l	98
8) Diethyl Ether	2.88	74	49780	21.793	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.15	101	197352	21.789	ug/l	94
10) Methyl Iodide	3.31	142	224842	19.739	ug/l	94
11) Tert butyl alcohol	4.10	59	42954	98.475	ug/l #	73
12) 1,1-Dichloroethene	3.13	96	139436	21.452	ug/l	86
13) Acrolein	3.05	56	14525	103.521	ug/l	84
14) Allyl chloride	3.62	41	210450	21.057	ug/l	87
15) Acrylonitrile	4.21	53	105293	106.227	ug/l	96
16) Acetone	3.24	43	196255	100.997	ug/l	96
17) Carbon Disulfide	3.38	76	369013	19.265	ug/l	98
18) Methyl Acetate	3.65	43	77794	24.361	ug/l #	89
19) Methyl tert-butyl Ether	4.24	73	322031	20.314	ug/l	99
20) Methylene Chloride	3.82	84	159687	21.499	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	145754	20.443	ug/l	97
22) Diisopropyl ether	5.14	45	424514	20.457	ug/l	93
23) Vinyl Acetate	5.07	43	1337800	103.914	ug/l #	95
24) 1,1-Dichloroethane	4.99	63	282385	21.152	ug/l	98
25) 2-Butanone	6.08	43	196885	103.857	ug/l	98
26) 2,2-Dichloropropane	6.03	77	325247	21.139	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	162761	21.058	ug/l	94
28) Bromochloromethane	6.45	49	91863	18.001	ug/l	95
29) Tetrahydrofuran	6.48	42	101346	118.713	ug/l	94
30) Chloroform	6.67	83	377773	22.055	ug/l	95
31) Cyclohexane	6.96	56	168968	20.177	ug/l	92
32) 1,1,1-Trichloroethane	6.88	97	368182	21.602	ug/l	98
36) 1,1-Dichloropropene	7.15	75	233057	20.698	ug/l	99
37) Ethyl Acetate	6.19	43	100238	21.578	ug/l #	85
38) Carbon Tetrachloride	7.12	117	366147	20.573	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	191984	21.099	ug/l	97
40) Benzene	7.46	78	465569	21.172	ug/l	97
41) Methacrylonitrile	6.47	41	130053	22.064	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	265415	20.250	ug/l	97
43) Isopropyl Acetate	9.24	43	125328	21.095	ug/l #	95
44) Trichloroethene	8.55	130	180207	20.186	ug/l	98
45) 1,2-Dichloropropane	8.95	63	119746	22.671	ug/l	98
46) Dibromomethane	9.07	93	103746	22.128	ug/l #	90
47) Bromodichloromethane	9.38	83	282375	22.140	ug/l	95
48) Methyl methacrylate	9.13	41	88267	20.564	ug/l #	81
49) 1,4-Dioxane	9.09	88	15126	422.724	ug/l #	83
51) 4-Methyl-2-Pentanone	10.31	43	452351	108.811	ug/l	94
52) Toluene	10.51	92	313637	21.219	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	219658	21.006	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	243485	22.529	ug/l	94
55) 1,1,2-Trichloroethane	11.19	97	111342	21.965	ug/l	95
56) Ethyl methacrylate	11.06	69	116794	21.555	ug/l	92
57) 1,3-Dichloropropane	11.41	76	165055	21.008	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	321343	118.608	ug/l	93
59) 2-Hexanone	11.54	43	342321	110.698	ug/l	98
60) Dibromochloromethane	11.69	129	198765	19.864	ug/l	98
61) 1,2-Dibromoethane	11.81	107	132286	21.805	ug/l	99
64) Tetrachloroethene	11.26	164	162133	21.618	ug/l	96
65) Chlorobenzene	12.40	112	399519	22.544	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	189133	22.377	ug/l	96
67) Ethyl Benzene	12.52	91	710179	22.602	ug/l	97
68) m/p-Xylenes	12.67	106	519542	47.033	ug/l	99
69) o-Xylene	13.05	106	228568	22.530	ug/l	88
70) Styrene	13.07	104	385383	21.290	ug/l	99
71) Bromoform	13.24	173	128515	21.529	ug/l	96
73) Isopropylbenzene	13.41	105	713092	23.122	ug/l	100
74) N-amyl acetate	13.27	43	183086	21.966	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	120220	22.782	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	130252	21.955	ug/l	99
77) Bromobenzene	13.67	156	199401	22.621	ug/l	97
78) n-propylbenzene	13.77	91	861747	22.827	ug/l	98
79) 2-Chlorotoluene	13.84	91	519573	23.506	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	671565	24.639	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	33219	21.305	ug/l #	89
82) 4-Chlorotoluene	13.95	91	639634	24.198	ug/l	98
83) tert-Butylbenzene	14.20	119	678567	22.572	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	626341	23.209	ug/l	97
85) sec-Butylbenzene	14.37	105	744686	23.623	ug/l	100
86) p-Isopropyltoluene	14.49	119	717219	23.368	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	355445	22.259	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	342881	22.720	ug/l	98
89) n-Butylbenzene	14.80	91	673941	24.408	ug/l	98
90) Hexachloroethane	15.01	117	181346	22.381	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	336956	25.384	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	23001	20.406	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	229129	22.464	ug/l	97
94) Hexachlorobutadiene	16.04	225	178937	22.832	ug/l	98
95) Naphthalene	16.13	128	317456	22.066	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	169009	22.105	ug/l	97

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

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