

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061219\
 Data File : VD062668.D
 Acq On : 12 Jun 2019 12:27
 Operator : VA/AP
 Sample : VD0612SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0612SBS01

Quant Time: Jun 13 07:22:54 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	7.03	168	787793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1049515	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	847627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	468532	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	456298	40.14	ug/l	-0.02
Spiked Amount			Recovery	=		80.28%
35) Dibromofluoromethane	6.90	113	484988	43.82	ug/l	-0.02
Spiked Amount			Recovery	=		87.64%
50) Toluene-d8	10.39	98	1038103	44.58	ug/l	-0.02
Spiked Amount			Recovery	=		89.16%
62) 4-Bromofluorobenzene	13.54	95	459060	42.26	ug/l	0.00
Spiked Amount			Recovery	=		84.52%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	191886	19.371	ug/l	98
3) Chloromethane	1.73	50	157416	20.195	ug/l	97
4) Vinyl Chloride	1.83	62	154140	19.177	ug/l	99
5) Bromomethane	2.14	94	67589	16.659	ug/l	97
6) Chloroethane	2.24	64	68330	17.218	ug/l #	89
7) Trichlorofluoromethane	2.51	101	337095	18.737	ug/l	100
8) Diethyl Ether	2.85	74	42818	17.498	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.13	101	181993	18.757	ug/l	97
10) Methyl Iodide	3.28	142	200567	17.107	ug/l #	91
11) Tert butyl alcohol	4.06	59	44435	95.094	ug/l #	75
12) 1,1-Dichloroethene	3.11	96	135372	19.442	ug/l	88
13) Acrolein	3.02	56	15760	104.852	ug/l	99
14) Allyl chloride	3.59	41	212187	19.819	ug/l	99
15) Acrylonitrile	4.17	53	108171	101.871	ug/l	94
16) Acetone	3.21	43	201618	96.856	ug/l #	90
17) Carbon Disulfide	3.36	76	376030	18.326	ug/l	97
18) Methyl Acetate	3.62	43	75345	22.024	ug/l #	89
19) Methyl tert-butyl Ether	4.22	73	339815	20.010	ug/l	100
20) Methylene Chloride	3.79	84	151570	18.998	ug/l	95
21) trans-1,2-Dichloroethene	4.19	96	145092	18.997	ug/l	88
22) Diisopropyl ether	5.10	45	444156	19.980	ug/l	96
23) Vinyl Acetate	5.03	43	1338622	97.062	ug/l	97
24) 1,1-Dichloroethane	4.96	63	278332	19.462	ug/l	98
25) 2-Butanone	6.04	43	194493	95.772	ug/l	98
26) 2,2-Dichloropropane	5.99	77	313030	18.992	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	155749	18.810	ug/l	86
28) Bromochloromethane	6.42	49	97068	17.756	ug/l	91
29) Tetrahydrofuran	6.45	42	83348	91.137	ug/l	98
30) Chloroform	6.64	83	350982	19.128	ug/l	89
31) Cyclohexane	6.93	56	168940	18.832	ug/l	95
32) 1,1,1-Trichloroethane	6.85	97	353531	19.363	ug/l	100
36) 1,1-Dichloropropene	7.13	75	218719	18.209	ug/l	99
37) Ethyl Acetate	6.16	43	103211	20.869	ug/l #	86
38) Carbon Tetrachloride	7.09	117	358580	18.887	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	191630	19.742	ug/l	90
40) Benzene	7.43	78	417017	17.778	ug/l	99
41) Methacrylonitrile	6.43	41	126280	20.083	ug/l #	98
42) 1,2-Dichloroethane	7.56	62	258772	18.508	ug/l	98
43) Isopropyl Acetate	9.22	43	125576	19.814	ug/l #	100
44) Trichloroethene	8.52	130	176921	18.578	ug/l	94
45) 1,2-Dichloropropane	8.92	63	109173	19.376	ug/l	91
46) Dibromomethane	9.05	93	95657	19.126	ug/l	93
47) Bromodichloromethane	9.36	83	267157	19.636	ug/l	97
48) Methyl methacrylate	9.11	41	87470	19.103	ug/l	93
49) 1,4-Dioxane	9.07	88	14550	385.825	ug/l #	68
51) 4-Methyl-2-Pentanone	10.29	43	422014	95.161	ug/l	100
52) Toluene	10.49	92	294561	18.681	ug/l	95
53) t-1,3-Dichloropropene	10.90	75	227202	20.368	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	219762	19.062	ug/l	92
55) 1,1,2-Trichloroethane	11.17	97	104703	19.363	ug/l	97
56) Ethyl methacrylate	11.02	69	114954	20.193	ug/l	95
57) 1,3-Dichloropropane	11.40	76	154668	18.454	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	331885	114.833	ug/l	90
59) 2-Hexanone	11.52	43	310435	94.105	ug/l	99
60) Dibromochloromethane	11.67	129	204973	19.202	ug/l	98
61) 1,2-Dibromoethane	11.79	107	129822	20.060	ug/l	93
64) Tetrachloroethene	11.24	164	163044	20.548	ug/l	96
65) Chlorobenzene	12.38	112	371343	19.806	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.50	131	181295	20.274	ug/l	98
67) Ethyl Benzene	12.51	91	657364	19.775	ug/l	100
68) m/p-Xylenes	12.66	106	476505	40.774	ug/l	99
69) o-Xylene	13.04	106	225294	20.991	ug/l	94
70) Styrene	13.06	104	379494	19.816	ug/l	96
71) Bromoform	13.23	173	133250	21.156	ug/l	91
73) Isopropylbenzene	13.40	105	697742	21.128	ug/l	95
74) N-amyl acetate	13.26	43	190641	21.360	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	122882	21.746	ug/l	93
76) 1,2,3-Trichloropropane	13.72	75	132084	20.791	ug/l	94
77) Bromobenzene	13.66	156	202426	21.446	ug/l	96
78) n-propylbenzene	13.76	91	775754	19.190	ug/l	98
79) 2-Chlorotoluene	13.83	91	517542	21.866	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	608317	20.842	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	33041	20.066	ug/l	96
82) 4-Chlorotoluene	13.94	91	591981	20.914	ug/l	97
83) tert-Butylbenzene	14.18	119	683219	21.224	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	602572	20.852	ug/l	99
85) sec-Butylbenzene	14.36	105	682755	20.226	ug/l	97
86) p-Isopropyltoluene	14.48	119	667703	20.316	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	332313	19.434	ug/l	94
88) 1,4-Dichlorobenzene	14.53	146	326898	20.229	ug/l	98
89) n-Butylbenzene	14.80	91	641791	21.706	ug/l	95
90) Hexachloroethane	15.00	117	168987	19.476	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	303274	21.336	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	23400	19.387	ug/l #	59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	215145	20.137	ug/l	97
94) Hexachlorobutadiene	16.03	225	164108	19.555	ug/l	95
95) Naphthalene	16.11	128	300924	19.929	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	169024	20.645	ug/l	98

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

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