

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
 Data File : VD062788.D
 Acq On : 20 Jun 2019 12:37
 Operator : VA/AP
 Sample : VD0620SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0620SBS02

Quant Time: Jun 21 06:33:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	919167	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	1227160	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	1001152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	609302	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	528873	52.93	ug/l	0.02
Spiked Amount			Recovery	=	105.86%	
35) Dibromofluoromethane	6.95	113	565214	54.62	ug/l	0.02
Spiked Amount			Recovery	=	109.24%	
50) Toluene-d8	10.43	98	1187398	52.72	ug/l	0.02
Spiked Amount			Recovery	=	105.44%	
62) 4-Bromofluorobenzene	13.57	95	529415	51.70	ug/l	0.02
Spiked Amount			Recovery	=	103.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	282746	23.771	ug/l	95
3) Chloromethane	1.75	50	204152	22.822	ug/l	97
4) Vinyl Chloride	1.85	62	190836	21.517	ug/l	95
5) Bromomethane	2.15	94	77424	18.640	ug/l	99
6) Chloroethane	2.26	64	90534	22.547	ug/l	95
7) Trichlorofluoromethane	2.53	101	378198	21.070	ug/l	96
8) Diethyl Ether	2.88	74	49007	21.488	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.16	101	211813	21.782	ug/l	94
10) Methyl Iodide	3.31	142	259966	20.264	ug/l	95
11) Tert butyl alcohol	4.10	59	45889	100.845	ug/l #	94
12) 1,1-Dichloroethene	3.13	96	143284	19.642	ug/l #	80
13) Acrolein	3.05	56	47901	103.113	ug/l	95
14) Allyl chloride	3.63	41	237188	22.005	ug/l	99
15) Acrylonitrile	4.21	53	116962	109.389	ug/l	95
16) Acetone	3.24	43	209532	99.195	ug/l	99
17) Carbon Disulfide	3.38	76	504581	21.643	ug/l	99
18) Methyl Acetate	3.66	43	74275	24.626	ug/l	96
19) Methyl tert-butyl Ether	4.26	73	343804	21.771	ug/l	97
20) Methylene Chloride	3.83	84	160149	21.018	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	168966	21.753	ug/l	91
22) Diisopropyl ether	5.15	45	476575	21.741	ug/l	95
23) Vinyl Acetate	5.09	43	1483826	108.177	ug/l	99
24) 1,1-Dichloroethane	5.00	63	291113	20.398	ug/l	96
25) 2-Butanone	6.09	43	212173	113.543	ug/l	95
26) 2,2-Dichloropropane	6.04	77	330274	21.833	ug/l	98
27) cis-1,2-Dichloroethene	6.06	96	178834	21.772	ug/l	95
28) Bromochloromethane	6.45	49	111477	22.177	ug/l	86
29) Tetrahydrofuran	6.48	42	98576	111.494	ug/l	97
30) Chloroform	6.68	83	366417	21.111	ug/l	94
31) Cyclohexane	6.97	56	193879	20.664	ug/l	95
32) 1,1,1-Trichloroethane	6.89	97	380005	21.020	ug/l	97
36) 1,1-Dichloropropene	7.16	75	245009	21.091	ug/l	97
37) Ethyl Acetate	6.21	43	113668	22.692	ug/l	98
38) Carbon Tetrachloride	7.13	117	383014	21.923	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	215458	21.071	ug/l	96
40) Benzene	7.48	78	488921	20.967	ug/l	98
41) Methacrylonitrile	6.46	41	135936	22.189	ug/l #	96
42) 1,2-Dichloroethane	7.60	62	279240	21.951	ug/l	100
43) Isopropyl Acetate	9.26	43	135658	22.274	ug/l #	92
44) Trichloroethene	8.56	130	197296	21.582	ug/l	97
45) 1,2-Dichloropropane	8.96	63	122974	21.209	ug/l	94
46) Dibromomethane	9.08	93	106698	21.422	ug/l	88
47) Bromodichloromethane	9.40	83	271762	21.009	ug/l #	95
48) Methyl methacrylate	9.14	41	99649	23.025	ug/l	91
49) 1,4-Dioxane	9.10	88	17347	481.767	ug/l	91
51) 4-Methyl-2-Pentanone	10.32	43	469507	108.733	ug/l	99
52) Toluene	10.53	92	350463	22.358	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	222028	20.970	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	260560	22.642	ug/l	95
55) 1,1,2-Trichloroethane	11.21	97	116321	21.600	ug/l	95
56) Ethyl methacrylate	11.06	69	128141	22.265	ug/l	98
57) 1,3-Dichloropropane	11.43	76	172650	20.938	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.88	63	291179	98.551	ug/l	96
59) 2-Hexanone	11.55	43	358752	116.659	ug/l	96
60) Dibromochloromethane	11.70	129	214770	21.411	ug/l	96
61) 1,2-Dibromoethane	11.82	107	141826	22.299	ug/l	97
64) Tetrachloroethene	11.28	164	189225	22.965	ug/l	98
65) Chlorobenzene	12.41	112	406267	21.865	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.53	131	193693	22.291	ug/l	88
67) Ethyl Benzene	12.54	91	759334	22.763	ug/l	97
68) m/p-Xylenes	12.69	106	495547	42.651	ug/l	95
69) o-Xylene	13.06	106	243095	22.888	ug/l	95
70) Styrene	13.09	104	432573	23.187	ug/l	95
71) Bromoform	13.25	173	136230	22.883	ug/l	98
73) Isopropylbenzene	13.41	105	765696	19.599	ug/l	99
74) N-amyl acetate	13.28	43	193479	20.393	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	128461	20.181	ug/l	96
76) 1,2,3-Trichloropropane	13.75	75	141790	20.158	ug/l	94
77) Bromobenzene	13.68	156	214514	20.414	ug/l	88
78) n-propylbenzene	13.79	91	856376	18.834	ug/l	96
79) 2-Chlorotoluene	13.85	91	533618	20.535	ug/l	98
80) 1,3,5-Trimethylbenzene	13.95	105	707871	21.572	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	36768	19.945	ug/l	89
82) 4-Chlorotoluene	13.96	91	679252	21.712	ug/l	94
83) tert-Butylbenzene	14.20	119	744594	20.357	ug/l	99
84) 1,2,4-Trimethylbenzene	14.25	105	644826	19.172	ug/l	98
85) sec-Butylbenzene	14.38	105	801331	20.157	ug/l	96
86) p-Isopropyltoluene	14.50	119	780620	21.464	ug/l	97
87) 1,3-Dichlorobenzene	14.47	146	408714	21.698	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	399087	21.094	ug/l	95
89) n-Butylbenzene	14.81	91	715153	21.009	ug/l	97
90) Hexachloroethane	15.02	117	190327	19.464	ug/l	96
91) 1,2-Dichlorobenzene	14.82	146	354925	22.023	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	28043	22.572	ug/l #	28

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	265471	21.087	ug/l	96
94) Hexachlorobutadiene	16.04	225	187286	19.473	ug/l	99
95) Naphthalene	16.13	128	357335	20.251	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	201033	20.783	ug/l	90

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

