

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058383.D
 Acq On : 24 Jun 2018 20:36
 Operator : VA/AP
 Sample : VD0624SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0624SBSD01

Quant Time: Jun 25 04:05:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	806129	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.70	114	1050842	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.70	117	855686	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	440978	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	474231	58.24	ug/l	0.01
Spiked Amount			Recovery	=	116.48%	
35) Dibromofluoromethane	5.56	113	492580	57.59	ug/l	0.01
Spiked Amount			Recovery	=	115.18%	
50) Toluene-d8	8.72	98	1134379	54.82	ug/l	0.01
Spiked Amount			Recovery	=	109.64%	
62) 4-Bromofluorobenzene	11.94	95	472940	55.95	ug/l	0.01
Spiked Amount			Recovery	=	111.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	198271	24.15	ug/l	100
3) Chloromethane	1.49	50	104566	27.79	ug/l	99
4) Vinyl Chloride	1.55	62	101177	23.96	ug/l	97
5) Bromomethane	1.79	94	34105	21.56	ug/l	99
6) Chloroethane	1.88	64	33617	20.40	ug/l	89
7) Trichlorofluoromethane	2.08	101	134463	23.22	ug/l	93
8) Diethyl Ether	2.34	74	31268	25.53	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.56	101	86886	23.60	ug/l	96
10) Methyl Iodide	2.70	142	91461	21.84	ug/l	98
11) Tert butyl alcohol	3.27	59	25881	96.37	ug/l #	90
12) 1,1-Dichloroethene	2.54	96	65487	23.65	ug/l	92
13) Acrolein	2.47	56	15796	103.04	ug/l	98
14) Allyl chloride	2.92	41	154972	24.04	ug/l	99
15) Acrylonitrile	3.37	53	91729	128.82	ug/l	90
16) Acetone	2.62	43	123971	111.33	ug/l #	91
17) Carbon Disulfide	2.76	76	205765	21.84	ug/l	96
18) Methyl Acetate	2.93	43	53231	22.41	ug/l	93
19) Methyl tert-butyl Ether	3.41	73	242089	32.96	ug/l	99
20) Methylene Chloride	3.07	84	76610	23.86	ug/l	96
21) trans-1,2-Dichloroethene	3.39	96	85652	28.30	ug/l	89
22) Diisopropyl ether	4.07	45	572175	22.35	ug/l	98
23) Vinyl Acetate	4.03	43	1487292	108.37	ug/l	100
24) 1,1-Dichloroethane	3.98	63	314200	22.78	ug/l	97
25) 2-Butanone	4.84	43	245768	101.26	ug/l	98
26) 2,2-Dichloropropane	4.80	77	251001	21.73	ug/l	95
27) cis-1,2-Dichloroethene	4.81	96	189925	25.11	ug/l	90
28) Bromochloromethane	5.15	49	123754	20.02	ug/l	95
29) Tetrahydrofuran	5.20	42	132330	102.43	ug/l	98
30) Chloroform	5.32	83	339952	23.35	ug/l	100
31) Cyclohexane	5.60	56	249634	22.00	ug/l	94
32) 1,1,1-Trichloroethane	5.51	97	282019	23.44	ug/l	97
36) 1,1-Dichloropropene	5.75	75	233673	22.48	ug/l	98
37) Ethyl Acetate	4.93	43	130332	22.00	ug/l #	94
38) Carbon Tetrachloride	5.73	117	238515	23.09	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	235913	23.30	ug/l	92
40) Benzene	6.02	78	547489	22.11	ug/l	99
41) Methacrylonitrile	5.14	41	58149	20.33	ug/l	96
42) 1,2-Dichloroethane	6.13	62	234827	23.52	ug/l	99
43) Isopropyl Acetate	7.63	43	161886	20.50	ug/l #	97
44) Trichloroethene	6.99	130	182113	24.49	ug/l	99
45) 1,2-Dichloropropane	7.35	63	154912	23.23	ug/l	100
46) Dibromomethane	7.47	93	101296	22.25	ug/l	97
47) Bromodichloromethane	7.75	83	226262	21.79	ug/l	96
48) Methyl methacrylate	7.51	41	101083	21.06	ug/l	96
49) 1,4-Dioxane	7.50	88	18133	418.56	ug/l #	87
51) 4-Methyl-2-Pentanone	8.61	43	563285	109.36	ug/l	99
52) Toluene	8.81	92	310732	22.04	ug/l	94
53) t-1,3-Dichloropropene	9.19	75	197184	21.85	ug/l	96
54) cis-1,3-Dichloropropene	8.37	75	228116	21.56	ug/l	96
55) 1,1,2-Trichloroethane	9.46	97	113066	22.66	ug/l	97
56) Ethyl methacrylate	9.32	69	125215	20.99	ug/l	96
57) 1,3-Dichloropropane	9.68	76	184591	21.97	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.20	63	363977	123.23	ug/l	91
59) 2-Hexanone	9.79	43	401799	107.96	ug/l	98
60) Dibromochloromethane	9.97	129	160153	23.65	ug/l	97
61) 1,2-Dibromoethane	10.10	107	124589	22.82	ug/l	99
64) Tetrachloroethene	9.52	164	183978	25.55	ug/l	95
65) Chlorobenzene	10.73	112	395520	24.71	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.86	131	141944	22.98	ug/l	97
67) Ethyl Benzene	10.87	91	666332	23.58	ug/l	98
68) m/p-Xylenes	11.01	106	438483	46.53	ug/l	100
69) o-Xylene	11.41	106	212765	23.64	ug/l	100
70) Styrene	11.44	104	356518	23.21	ug/l	98
71) Bromoform	11.61	173	112174	22.77	ug/l	98
73) Isopropylbenzene	11.78	105	627539	23.79	ug/l	99
74) N-amyl acetate	11.65	43	212258	20.81	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	136583	22.25	ug/l	94
76) 1,2,3-Trichloropropane	12.12	75	144577	22.46	ug/l	98
77) Bromobenzene	12.05	156	190727	24.15	ug/l	94
78) n-propylbenzene	12.16	91	810193	23.79	ug/l	98
79) 2-Chlorotoluene	12.23	91	466457	23.93	ug/l	94
80) 1,3,5-Trimethylbenzene	12.32	105	513541	24.96	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	29407	18.73	ug/l	88
82) 4-Chlorotoluene	12.33	91	536975	25.61	ug/l	97
83) tert-Butylbenzene	12.58	119	553689	23.41	ug/l	95
84) 1,2,4-Trimethylbenzene	12.63	105	530563	23.72	ug/l	98
85) sec-Butylbenzene	12.77	105	646637	23.32	ug/l	95
86) p-Isopropyltoluene	12.89	119	536834	23.89	ug/l	94
87) 1,3-Dichlorobenzene	12.85	146	317751	23.15	ug/l	95
88) 1,4-Dichlorobenzene	12.93	146	323180	24.11	ug/l	98
89) n-Butylbenzene	13.20	91	561052	23.76	ug/l	97
90) Hexachloroethane	13.41	117	134051	22.99	ug/l	84
91) 1,2-Dichlorobenzene	13.20	146	284804	24.38	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	20450	20.93	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	259561	23.23	ug/l	98
94) Hexachlorobutadiene	14.44	225	202228	23.14	ug/l	99
95) Naphthalene	14.52	128	338438	22.99	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	226802	23.19	ug/l	97

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

