

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059400.D
 Acq On : 25 Jun 2018 15:47
 Operator : VA/AP
 Sample : VD0625SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBS02

Quant Time: Jun 26 06:46:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	913895	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.68	114	1153486	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.69	117	947266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	497210	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	419513	44.89	ug/l	-0.02
Spiked Amount			Recovery	=	89.78%	
35) Dibromofluoromethane	5.54	113	438102	46.63	ug/l	-0.02
Spiked Amount			Recovery	=	93.26%	
50) Toluene-d8	8.70	98	945390	43.04	ug/l	-0.02
Spiked Amount			Recovery	=	86.08%	
62) 4-Bromofluorobenzene	11.93	95	431605	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	195467	24.04	ug/l	96
3) Chloromethane	1.47	50	93994	22.22	ug/l	99
4) Vinyl Chloride	1.54	62	93908	21.39	ug/l	98
5) Bromomethane	1.78	94	30453	18.22	ug/l	95
6) Chloroethane	1.87	64	32906	16.41	ug/l	97
7) Trichlorofluoromethane	2.07	101	135611	21.43	ug/l	99
8) Diethyl Ether	2.33	74	29996	20.94	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.54	101	86881	22.09	ug/l	# 88
10) Methyl Iodide	2.67	142	94121	20.49	ug/l	99
11) Tert butyl alcohol	3.26	59	28545	88.29	ug/l	99
12) 1,1-Dichloroethene	2.53	96	65440	21.73	ug/l	89
13) Acrolein	2.46	56	36578	126.55	ug/l	95
14) Allyl chloride	2.91	41	147042	21.33	ug/l	94
15) Acrylonitrile	3.34	53	93546	94.27	ug/l	96
16) Acetone	2.61	43	142113	120.48	ug/l	93
17) Carbon Disulfide	2.74	76	201920	21.89	ug/l	100
18) Methyl Acetate	2.92	43	54627	20.18	ug/l	96
19) Methyl tert-butyl Ether	3.40	73	228051	15.39	ug/l	95
20) Methylene Chloride	3.05	84	81135	23.48	ug/l	94
21) trans-1,2-Dichloroethene	3.37	96	80500	15.12	ug/l	83
22) Diisopropyl ether	4.05	45	499068	19.24	ug/l	97
23) Vinyl Acetate	4.00	43	1457209	107.85	ug/l	99
24) 1,1-Dichloroethane	3.95	63	303125	20.43	ug/l	97
25) 2-Butanone	4.83	43	265117	107.30	ug/l	97
26) 2,2-Dichloropropane	4.78	77	270019	23.46	ug/l	100
27) cis-1,2-Dichloroethene	4.79	96	184057	20.57	ug/l	89
28) Bromochloromethane	5.14	49	124434	19.34	ug/l	99
29) Tetrahydrofuran	5.17	42	137906	102.04	ug/l	99
30) Chloroform	5.31	83	321644	19.89	ug/l	98
31) Cyclohexane	5.58	56	242489	22.63	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	273573	20.89	ug/l	95
36) 1,1-Dichloropropene	5.74	75	234227	22.38	ug/l	97
37) Ethyl Acetate	4.92	43	126309	19.82	ug/l	# 95
38) Carbon Tetrachloride	5.72	117	231316	21.44	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	223936	22.56	ug/l	99
40) Benzene	6.00	78	532377	21.20	ug/l	100
41) Methacrylonitrile	5.12	41	65421	21.31	ug/l	94
42) 1,2-Dichloroethane	6.12	62	224558	20.24	ug/l	98
43) Isopropyl Acetate	7.61	43	165441	20.67	ug/l #	99
44) Trichloroethene	6.98	130	176048	21.41	ug/l	92
45) 1,2-Dichloropropane	7.34	63	142676	20.52	ug/l	96
46) Dibromomethane	7.45	93	100521	20.10	ug/l	90
47) Bromodichloromethane	7.73	83	230979	20.64	ug/l	98
48) Methyl methacrylate	7.50	41	100866	20.69	ug/l	91
49) 1,4-Dioxane	7.49	88	19552	399.87	ug/l	93
51) 4-Methyl-2-Pentanone	8.59	43	557764	104.59	ug/l	100
52) Toluene	8.80	92	314256	20.95	ug/l	97
53) t-1,3-Dichloropropene	9.18	75	200371	21.43	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	229602	21.20	ug/l	95
55) 1,1,2-Trichloroethane	9.45	97	114798	21.08	ug/l	98
56) Ethyl methacrylate	9.31	69	127772	20.57	ug/l	97
57) 1,3-Dichloropropane	9.65	76	178848	20.08	ug/l	92
58) 2-Chloroethyl Vinyl ether	8.18	63	340104	106.34	ug/l	94
59) 2-Hexanone	9.78	43	426171	112.44	ug/l	96
60) Dibromochloromethane	9.95	129	148555	19.48	ug/l	99
61) 1,2-Dibromoethane	10.09	107	123189	20.32	ug/l	97
64) Tetrachloroethene	9.51	164	161305	19.41	ug/l	93
65) Chlorobenzene	10.72	112	366200	21.14	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.85	131	139504	20.98	ug/l	94
67) Ethyl Benzene	10.86	91	646855	22.13	ug/l	99
68) m/p-Xylenes	11.01	106	440035	45.38	ug/l	91
69) o-Xylene	11.40	106	215170	22.44	ug/l	97
70) Styrene	11.43	104	357567	21.76	ug/l	98
71) Bromoform	11.59	173	108228	19.65	ug/l	98
73) Isopropylbenzene	11.77	105	600905	21.42	ug/l	98
74) N-amyl acetate	11.64	43	222672	20.86	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	134557	20.44	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	142565	20.79	ug/l	97
77) Bromobenzene	12.04	156	188164	21.31	ug/l	92
78) n-propylbenzene	12.14	91	790804	22.25	ug/l	94
79) 2-Chlorotoluene	12.21	91	463571	22.21	ug/l	98
80) 1,3,5-Trimethylbenzene	12.31	105	479122	21.45	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	33679	21.61	ug/l	89
82) 4-Chlorotoluene	12.32	91	509224	21.52	ug/l	95
83) tert-Butylbenzene	12.57	119	553524	23.30	ug/l	91
84) 1,2,4-Trimethylbenzene	12.62	105	499949	21.15	ug/l	96
85) sec-Butylbenzene	12.76	105	646062	22.16	ug/l	95
86) p-Isopropyltoluene	12.88	119	525393	22.36	ug/l	97
87) 1,3-Dichlorobenzene	12.83	146	317419	21.85	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	312276	21.78	ug/l	96
89) n-Butylbenzene	13.19	91	559376	24.11	ug/l	97
90) Hexachloroethane	13.39	117	129502	22.09	ug/l	92
91) 1,2-Dichlorobenzene	13.19	146	270729	21.98	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	21446	19.76	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	264298	23.21	ug/l	96
94) Hexachlorobutadiene	14.43	225	192647	22.48	ug/l	97
95) Naphthalene	14.52	128	337371	21.26	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	227322	22.20	ug/l	99

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

