

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058225.D
 Acq On : 20 Jun 2018 23:51
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 21 01:28:43 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	882275	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	1135218	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	926872	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	474523	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	481288	54.01	ug/l	0.01
Spiked Amount			Recovery	=	108.02%	
35) Dibromofluoromethane	5.55	113	510893	55.29	ug/l	0.00
Spiked Amount			Recovery	=	110.58%	
50) Toluene-d8	8.72	98	1210293	54.14	ug/l	0.01
Spiked Amount			Recovery	=	108.28%	
62) 4-Bromofluorobenzene	11.94	95	507097	55.53	ug/l	0.01
Spiked Amount			Recovery	=	111.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	428388	52.11	ug/l	99
3) Chloromethane	1.48	50	220756	58.04	ug/l	98
4) Vinyl Chloride	1.55	62	236665	51.21	ug/l	100
5) Bromomethane	1.79	94	84436	55.47	ug/l	92
6) Chloroethane	1.88	64	93543	56.04	ug/l	95
7) Trichlorofluoromethane	2.08	101	328744	51.88	ug/l	99
8) Diethyl Ether	2.34	74	65447	48.83	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.55	101	215869	53.58	ug/l	93
10) Methyl Iodide	2.69	142	250552	54.68	ug/l	97
11) Tert butyl alcohol	3.27	59	78653	267.60	ug/l #	92
12) 1,1-Dichloroethene	2.54	96	156130	51.51	ug/l	98
13) Acrolein	2.47	56	54532	325.01	ug/l	100
14) Allyl chloride	2.92	41	375465	53.22	ug/l	97
15) Acrylonitrile	3.36	53	206017	264.35	ug/l	97
16) Acetone	2.62	43	289288	237.37	ug/l	93
17) Carbon Disulfide	2.75	76	516017	50.04	ug/l	100
18) Methyl Acetate	2.94	43	134073	51.58	ug/l	100
19) Methyl tert-butyl Ether	3.40	73	473301	58.87	ug/l	97
20) Methylene Chloride	3.07	84	170377	53.92	ug/l	96
21) trans-1,2-Dichloroethene	3.38	96	161297	48.69	ug/l	84
22) Diisopropyl ether	4.07	45	1458809	52.06	ug/l	98
23) Vinyl Acetate	4.02	43	4002313	266.46	ug/l	100
24) 1,1-Dichloroethane	3.98	63	801581	53.10	ug/l	98
25) 2-Butanone	4.84	43	704920	265.38	ug/l	99
26) 2,2-Dichloropropane	4.80	77	593304	46.94	ug/l	98
27) cis-1,2-Dichloroethene	4.80	96	431541	52.13	ug/l	96
28) Bromochloromethane	5.15	49	358430	52.97	ug/l #	95
29) Tetrahydrofuran	5.20	42	362608	256.46	ug/l	99
30) Chloroform	5.32	83	838242	52.60	ug/l	93
31) Cyclohexane	5.59	56	595512	54.84	ug/l	99
32) 1,1,1-Trichloroethane	5.52	97	691929	52.55	ug/l	98
36) 1,1-Dichloropropene	5.75	75	530846	47.27	ug/l	98
37) Ethyl Acetate	4.93	43	316346	49.44	ug/l	99
38) Carbon Tetrachloride	5.73	117	559827	50.17	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	558933	51.10	ug/l	98
40) Benzene	6.02	78	1355837	50.68	ug/l	100
41) Methacrylonitrile	5.14	41	164259	53.16	ug/l	97
42) 1,2-Dichloroethane	6.13	62	565643	52.44	ug/l	100
43) Isopropyl Acetate	7.63	43	453675	53.18	ug/l	98
44) Trichloroethene	6.99	130	403474	50.23	ug/l	97
45) 1,2-Dichloropropane	7.35	63	377223	52.36	ug/l	96
46) Dibromomethane	7.47	93	263019	53.48	ug/l	95
47) Bromodichloromethane	7.75	83	594408	53.00	ug/l	97
48) Methyl methacrylate	7.51	41	266428	51.39	ug/l	98
49) 1,4-Dioxane	7.50	88	50059	1069.62	ug/l #	71
51) 4-Methyl-2-Pentanone	8.60	43	1498323	269.27	ug/l	97
52) Toluene	8.81	92	784554	51.50	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	524281	53.77	ug/l	98
54) cis-1,3-Dichloropropene	8.37	75	582905	50.99	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	284109	52.72	ug/l	98
56) Ethyl methacrylate	9.32	69	334020	51.82	ug/l	98
57) 1,3-Dichloropropane	9.68	76	462550	50.95	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.20	63	823252	258.01	ug/l	94
59) 2-Hexanone	9.79	43	1025527	255.07	ug/l	98
60) Dibromochloromethane	9.97	129	401713	54.92	ug/l	94
61) 1,2-Dibromoethane	10.10	107	314362	53.29	ug/l	97
64) Tetrachloroethene	9.52	164	420552	53.92	ug/l	97
65) Chlorobenzene	10.73	112	898592	51.83	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.86	131	347733	51.97	ug/l	98
67) Ethyl Benzene	10.87	91	1519856	49.65	ug/l	100
68) m/p-Xylenes	11.02	106	1044177	102.30	ug/l	95
69) o-Xylene	11.41	106	501200	51.41	ug/l	98
70) Styrene	11.44	104	817990	49.17	ug/l	98
71) Bromoform	11.60	173	295048	55.28	ug/l	99
73) Isopropylbenzene	11.78	105	1409646	49.66	ug/l	99
74) N-amyl acetate	11.65	43	573706	52.28	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	344748	52.19	ug/l	97
76) 1,2,3-Trichloropropane	12.12	75	346028	49.95	ug/l	99
77) Bromobenzene	12.05	156	442808	52.10	ug/l	94
78) n-propylbenzene	12.16	91	1883600	51.39	ug/l	98
79) 2-Chlorotoluene	12.23	91	1079617	51.47	ug/l	95
80) 1,3,5-Trimethylbenzene	12.32	105	1143882	51.67	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	90213	53.39	ug/l	94
82) 4-Chlorotoluene	12.33	91	1184852	58.94	ug/l	99
83) tert-Butylbenzene	12.58	119	1257490	49.41	ug/l	95
84) 1,2,4-Trimethylbenzene	12.63	105	1167799	48.53	ug/l	99
85) sec-Butylbenzene	12.76	105	1450126	48.61	ug/l	99
86) p-Isopropyltoluene	12.89	119	1297250	53.66	ug/l	94
87) 1,3-Dichlorobenzene	12.85	146	744637	50.41	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	719124	49.85	ug/l	97
89) n-Butylbenzene	13.20	91	1180146	46.45	ug/l	99
90) Hexachloroethane	13.41	117	337852	53.84	ug/l	93
91) 1,2-Dichlorobenzene	13.20	146	602937	47.96	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.78	75	54407	51.76	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	617855	51.39	ug/l	96
94) Hexachlorobutadiene	14.44	225	474067	50.41	ug/l	97
95) Naphthalene	14.52	128	845212	53.37	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	550625	52.31	ug/l	98

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

