

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058042.D
 Acq On : 9 Jun 2018 4:30
 Operator : VA/AP
 Sample : J3354-03MS
 Misc : 17.66g/5ml/MSVOA D/SOIL
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CAS1-SB-02-03-1-27MS

Quant Time: Jun 09 05:44:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	251579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	391930	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	360949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	178206	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	219682	87.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	174.68%	
35) Dibromofluoromethane	5.54	113	193667	63.87	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	127.74%	
50) Toluene-d8	8.70	98	377302	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
62) 4-Bromofluorobenzene	11.92	95	183017	58.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.35	85	121497	35.98	ug/l	98
3) Chloromethane	1.49	50	88872	53.44	ug/l	95
4) Vinyl Chloride	1.57	62	68248	42.40	ug/l	99
5) Bromomethane	1.80	94	39190	62.12	ug/l	94
6) Chloroethane	1.89	64	39681	62.48	ug/l	# 87
7) Trichlorofluoromethane	2.10	101	101246	46.01	ug/l	94
8) Diethyl Ether	2.35	74	45223	110.63	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.56	101	62752	47.81	ug/l	96
10) Methyl Iodide	2.70	142	89627	52.92	ug/l	92
11) Tert butyl alcohol	3.26	59	52506	779.28	ug/l	100
12) 1,1-Dichloroethene	2.55	96	45155	44.75	ug/l	93
14) Allyl chloride	2.92	41	124401	53.45	ug/l	94
15) Acrylonitrile	3.36	53	269623	684.03	ug/l	99
16) Acetone	2.61	43	291139	803.44	ug/l	99
17) Carbon Disulfide	2.76	76	136817	37.43	ug/l	97
18) Methyl Acetate	2.93	43	133191	190.00	ug/l	# 88
19) Methyl tert-butyl Ether	3.41	73	482787	108.74	ug/l	99
20) Methylene Chloride	3.07	84	75887	74.04	ug/l	92
21) trans-1,2-Dichloroethene	3.39	96	103951	46.25	ug/l	86
22) Diisopropyl ether	4.07	45	806004	87.41	ug/l	97
23) Vinyl Acetate	4.02	43	2016020	423.15	ug/l	100
24) 1,1-Dichloroethane	3.97	63	324217	63.98	ug/l	98
25) 2-Butanone	4.82	43	564112	685.00	ug/l	98
26) 2,2-Dichloropropane	4.79	77	196059	46.96	ug/l	92
27) cis-1,2-Dichloroethene	4.80	96	170608	64.01	ug/l	94
28) Bromochloromethane	5.15	49	200114	91.23	ug/l	98
29) Tetrahydrofuran	5.18	42	303720	703.55	ug/l	99
30) Chloroform	5.32	83	368786	72.31	ug/l	99
31) Cyclohexane	5.59	56	176048	40.25	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	229343	53.70	ug/l	95
36) 1,1-Dichloropropene	5.74	75	160207	37.10	ug/l	98
37) Ethyl Acetate	4.91	43	261134	110.83	ug/l	97
38) Carbon Tetrachloride	5.72	117	173962	40.88	ug/l	94
39) Methylcyclohexane	7.28	83	139575	32.61	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.01	78	585719	58.07	ug/l	99
41) Methacrylonitrile	5.12	41	134553	124.90	ug/l	94
42) 1,2-Dichloroethane	6.12	62	325254	79.75	ug/l	96
43) Isopropyl Acetate	7.61	43	332456	107.73	ug/l #	99
44) Trichloroethene	6.97	130	127116	43.14	ug/l	97
45) 1,2-Dichloropropane	7.33	63	188837	67.36	ug/l	96
46) Dibromomethane	7.45	93	144388	80.17	ug/l	96
47) Bromodichloromethane	7.74	83	291780	69.19	ug/l	97
48) Methyl methacrylate	7.49	41	199968	105.27	ug/l	96
49) 1,4-Dioxane	7.48	88	39510	2510.82	ug/l #	86
51) 4-Methyl-2-Pentanone	8.58	43	1171439	591.79	ug/l	98
52) Toluene	8.79	92	310029	53.55	ug/l	99
53) t-1,3-Dichloropropene	9.17	75	245369	67.54	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	265903	62.12	ug/l	96
55) 1,1,2-Trichloroethane	9.44	97	169159	90.29	ug/l	96
56) Ethyl methacrylate	9.30	69	233367	101.54	ug/l	92
57) 1,3-Dichloropropane	9.66	76	289411	88.07	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.18	63	565987	487.44	ug/l	100
59) 2-Hexanone	9.78	43	795136	548.13	ug/l	98
60) Dibromochloromethane	9.95	129	209206	79.18	ug/l	95
61) 1,2-Dibromoethane	10.08	107	180816	83.92	ug/l	96
64) Tetrachloroethene	9.50	164	123932	38.41	ug/l	97
65) Chlorobenzene	10.71	112	373596	51.13	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	168367	59.97	ug/l	99
67) Ethyl Benzene	10.85	91	611040	46.29	ug/l	98
68) m/p-Xylenes	11.01	106	410314	95.34	ug/l	92
69) o-Xylene	11.40	106	220068	51.52	ug/l	96
70) Stvrene	11.43	104	369945	52.31	ug/l	97
71) Bromoform	11.60	173	170201	80.59	ug/l	98
73) Isopropylbenzene	11.76	105	535783	45.39	ug/l	100
74) N-amyl acetate	11.64	43	360778	79.21	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	254595	98.93	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	247109	92.31	ug/l	99
77) Bromobenzene	12.03	156	192593	55.12	ug/l	99
78) n-propylbenzene	12.15	91	653566	42.55	ug/l	98
79) 2-Chlorotoluene	12.21	91	433208	49.44	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	445688	48.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	51488	77.66	ug/l	85
82) 4-Chlorotoluene	12.32	91	473940	56.00	ug/l	97
83) tert-Butylbenzene	12.57	119	498865	48.00	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	493391	49.85	ug/l	99
85) sec-Butylbenzene	12.75	105	490343	39.09	ug/l	99
86) p-Isopropyltoluene	12.88	119	413340	40.88	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	283487	47.97	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	280259	48.67	ug/l	99
89) n-Butylbenzene	13.19	91	370222	39.75	ug/l	97
90) Hexachloroethane	13.40	117	101719	39.42	ug/l	93
91) 1,2-Dichlorobenzene	13.19	146	296785	62.14	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	43235	108.86	ug/l #	47
93) 1,2,4-Trichlorobenzene	14.33	180	191779	42.98	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.43	225	77719	22.14	ug/l	98
95) Naphthalene	14.51	128	395195	68.69	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	188947	49.69	ug/l #	83

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

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