

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058043.D
 Acq On : 9 Jun 2018 4:58
 Operator : VA/AP
 Sample : J3354-04MSD
 Misc : 12.85g/5ml/MSVOA D/SOIL
 ALS Vial : 62 Sample Multiplier: 1

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

Quant Time: Jun 09 05:44:56 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	769347	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	1053092	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	826915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	378830	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	377852	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
35) Dibromofluoromethane	5.55	113	431056	52.90	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.80%	
50) Toluene-d8	8.70	98	962379	49.68	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	11.93	95	407489	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	462953	44.84	ug/l	100
3) Chloromethane	1.49	50	250438	49.25	ug/l	95
4) Vinyl Chloride	1.56	62	246693	50.12	ug/l	98
5) Bromomethane	1.81	94	115455	59.84	ug/l	97
6) Chloroethane	1.90	64	124277	63.99	ug/l	90
7) Trichlorofluoromethane	2.09	101	367186	54.57	ug/l	98
8) Diethyl Ether	2.35	74	77398	61.92	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.57	101	216078	53.84	ug/l	98
10) Methyl Iodide	2.70	142	291354	56.26	ug/l	91
11) Tert butyl alcohol	3.25	59	61606	298.99	ug/l	100
12) 1,1-Dichloroethene	2.56	96	157636	51.09	ug/l	97
14) Allvl chloride	2.93	41	348654	48.98	ug/l	94
15) Acrylonitrile	3.36	53	325258	269.83	ug/l	98
16) Acetone	2.61	43	325488	293.72	ug/l	99
17) Carbon Disulfide	2.76	76	507447	45.40	ug/l	99
18) Methyl Acetate	2.94	43	159546	74.43	ug/l	# 90
19) Methyl tert-butyl Ether	3.40	73	764641	56.32	ug/l	99
20) Methylene Chloride	3.08	84	177987	58.63	ug/l	94
21) trans-1,2-Dichloroethene	3.39	96	332149	48.33	ug/l	99
22) Diisopropyl ether	4.07	45	1610057	57.10	ug/l	94
23) Vinyl Acetate	4.02	43	3179996	218.26	ug/l	98
24) 1,1-Dichloroethane	3.97	63	832396	53.71	ug/l	99
25) 2-Butanone	4.83	43	615133	244.26	ug/l	94
26) 2,2-Dichloropropane	4.80	77	594269	46.55	ug/l	97
27) cis-1,2-Dichloroethene	4.81	96	417174	51.18	ug/l	90
28) Bromochloromethane	5.14	49	399637	59.58	ug/l	97
29) Tetrahydrofuran	5.18	42	356846	270.30	ug/l	97
30) Chloroform	5.32	83	866986	55.59	ug/l	100
31) Cyclohexane	5.60	56	636678	47.60	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	697127	53.38	ug/l	99
36) 1,1-Dichloropropene	5.74	75	541524	46.67	ug/l	99
37) Ethyl Acetate	4.92	43	309603	48.90	ug/l	# 95
38) Carbon Tetrachloride	5.73	117	574191	50.22	ug/l	98
39) Methylcyclohexane	7.28	83	519453	45.16	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.01	78	1398433	51.60	ug/l	99
41) Methacrylonitrile	5.12	41	174962	60.44	ug/l	98
42) 1,2-Dichloroethane	6.13	62	568831	51.91	ug/l	99
43) Isopropyl Acetate	7.61	43	409129	49.34	ug/l	# 100
44) Trichloroethene	6.98	130	389788	49.24	ug/l	96
45) 1,2-Dichloropropane	7.34	63	406081	53.91	ug/l	98
46) Dibromomethane	7.46	93	243814	50.38	ug/l	97
47) Bromodichloromethane	7.73	83	626348	55.28	ug/l	98
48) Methyl methacrylate	7.50	41	265276	51.98	ug/l	99
49) 1,4-Dioxane	7.49	88	41055	970.99	ug/l	# 85
51) 4-Methyl-2-Pentanone	8.59	43	1324540	249.03	ug/l	99
52) Toluene	8.80	92	784961	50.46	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	459775	47.10	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	566745	49.28	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	270975	53.83	ug/l	95
56) Ethyl methacrylate	9.31	69	324315	52.52	ug/l	98
57) 1,3-Dichloropropane	9.66	76	465170	52.68	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	801405	256.87	ug/l	100
59) 2-Hexanone	9.78	43	952102	244.27	ug/l	99
60) Dibromochloromethane	9.95	129	387675	54.61	ug/l	99
61) 1,2-Dibromoethane	10.09	107	290991	50.26	ug/l	92
64) Tetrachloroethene	9.51	164	382466	51.74	ug/l	99
65) Chlorobenzene	10.72	112	853500	50.98	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.84	131	355436	55.26	ug/l	98
67) Ethyl Benzene	10.85	91	1518587	50.21	ug/l	100
68) m/p-Xylenes	11.00	106	1015948	103.04	ug/l	97
69) o-Xylene	11.40	106	483806	49.44	ug/l	95
70) Stvrene	11.43	104	815104	50.31	ug/l	99
71) Bromoform	11.59	173	267882	55.37	ug/l	96
73) Isopropylbenzene	11.77	105	1427007	56.87	ug/l	99
74) N-amyl acetate	11.64	43	509883	52.66	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	327018	59.78	ug/l	99
76) 1,2,3-Trichloropropane	12.10	75	316494	55.62	ug/l	97
77) Bromobenzene	12.04	156	411665	55.43	ug/l	87
78) n-propylbenzene	12.14	91	1704202	52.19	ug/l	95
79) 2-Chlorotoluene	12.21	91	1061223	56.97	ug/l	96
80) 1,3,5-Trimethylbenzene	12.31	105	1089857	55.70	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	73242	51.96	ug/l	87
82) 4-Chlorotoluene	12.32	91	1100352	61.47	ug/l	97
83) tert-Butylbenzene	12.57	119	1222477	55.33	ug/l	89
84) 1,2,4-Trimethylbenzene	12.62	105	1178881	56.03	ug/l	96
85) sec-Butylbenzene	12.75	105	1354962	50.81	ug/l	98
86) p-Isopropyltoluene	12.88	119	1053938	49.04	ug/l	97
87) 1,3-Dichlorobenzene	12.83	146	642559	51.14	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	582813	47.61	ug/l	94
89) n-Butylbenzene	13.19	91	995153	51.54	ug/l	96
90) Hexachloroethane	13.39	117	284231	51.81	ug/l	74
91) 1,2-Dichlorobenzene	13.19	146	543502	53.53	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	52831	62.57	ug/l	80
93) 1,2,4-Trichlorobenzene	14.34	180	428093	45.13	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.43	225	249485	33.44	ug/l	97
95) Naphthalene	14.51	128	582978	47.67	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	355657	44.00	ug/l	96

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

