

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060718\
 Data File : VD058004.D
 Acq On : 8 Jun 2018 8:17
 Operator : JC/SY
 Sample : J3354-04MSD
 Misc : 14.22g/5ml/MSVOA D/SOIL
 ALS Vial : 68 Sample Multiplier: 1

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

Quant Time: Jun 08 08:47:32 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	836119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	1118189	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	864813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	380516	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	410708	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
35) Dibromofluoromethane	5.55	113	425550	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	8.70	98	999329	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
62) 4-Bromofluorobenzene	11.92	95	394945	44.02	ug/l	0.00
Spiked Amount			Recovery	=	88.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.36	85	499867	44.544	ug/l	97
3) Chloromethane	1.49	50	258040	46.689	ug/l	98
4) Vinyl Chloride	1.57	62	266424	49.801	ug/l	99
5) Bromomethane	1.81	94	122132	58.249	ug/l	97
6) Chloroethane	1.90	64	122053	57.826	ug/l	100
7) Trichlorofluoromethane	2.10	101	395647	54.103	ug/l	96
8) Diethyl Ether	2.36	74	78159	57.533	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.57	101	234945	53.863	ug/l	98
10) Methyl Iodide	2.70	142	293271	52.107	ug/l	95
11) Tert butyl alcohol	3.27	59	58881	262.945	ug/l	96
12) 1,1-Dichloroethene	2.56	96	168118	50.134	ug/l	93
13) Acrolein	2.48	56	10548	32.891	ug/l	93
14) Allyl chloride	2.93	41	358676	46.367	ug/l	99
15) Acrylonitrile	3.36	53	337801	257.859	ug/l	94
16) Acetone	2.62	43	303137	251.707	ug/l	99
17) Carbon Disulfide	2.76	76	546221	44.964	ug/l	99
18) Methyl Acetate	2.94	43	171738	73.716	ug/l	97
19) Methyl tert-butyl Ether	3.41	73	808688	54.806	ug/l	99
20) Methylene Chloride	3.08	84	185557	56.441	ug/l	92
21) trans-1,2-Dichloroethene	3.39	96	338386	45.305	ug/l	99
22) Diisopropyl ether	4.07	45	1633818	53.313	ug/l	99
23) Vinyl Acetate	4.02	43	3276523	206.926	ug/l	99
24) 1,1-Dichloroethane	3.97	63	877993	52.128	ug/l	98
25) 2-Butanone	4.83	43	666196	243.406	ug/l	99
26) 2,2-Dichloropropane	4.80	77	636459	45.872	ug/l	93
27) cis-1,2-Dichloroethene	4.80	96	424464	47.916	ug/l	97
28) Bromochloromethane	5.15	49	386986	53.086	ug/l	99
29) Tetrahydrofuran	5.19	42	370874	258.496	ug/l	97
30) Chloroform	5.32	83	898594	53.012	ug/l	97
31) Cyclohexane	5.59	56	655929	45.127	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	739370	52.094	ug/l	98
36) 1,1-Dichloropropene	5.75	75	573362	46.541	ug/l	96
37) Ethyl Acetate	4.92	43	319267	47.495	ug/l	98
38) Carbon Tetrachloride	5.72	117	626054	51.564	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	549708	45.012	ug/l	97
40) Benzene	6.01	78	1477673	51.345	ug/l	100
41) Methacrylonitrile	5.13	41	156927	51.056	ug/l	96
42) 1,2-Dichloroethane	6.12	62	583252	50.125	ug/l	99
43) Isopropyl Acetate	7.61	43	419954	47.696	ug/l #	98
44) Trichloroethene	6.98	130	396797	47.203	ug/l	99
45) 1,2-Dichloropropane	7.34	63	423495	52.946	ug/l	92
46) Dibromomethane	7.46	93	253511	49.338	ug/l	99
47) Bromodichloromethane	7.73	83	643878	53.519	ug/l	97
48) Methyl methacrylate	7.50	41	288040	53.151	ug/l	98
49) 1,4-Dioxane	7.48	88	46459	1034.836	ug/l #	83
51) 4-Methyl-2-Pentanone	8.59	43	1478521	261.799	ug/l	99
52) Toluene	8.80	92	814772	49.330	ug/l	98
53) t-1,3-Dichloropropene	9.18	75	457812	44.168	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	582993	47.741	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	287676	53.817	ug/l	98
56) Ethyl methacrylate	9.30	69	357531	54.526	ug/l	97
57) 1,3-Dichloropropane	9.65	76	465909	49.695	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.18	63	851264	256.962	ug/l	100
59) 2-Hexanone	9.77	43	1052267	254.248	ug/l	98
60) Dibromochloromethane	9.95	129	408457	54.187	ug/l	97
61) 1,2-Dibromoethane	10.09	107	306386	49.841	ug/l	92
64) Tetrachloroethene	9.51	164	392128	50.719	ug/l	96
65) Chlorobenzene	10.72	112	870126	49.700	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	363238	54.002	ug/l	99
67) Ethyl Benzene	10.85	91	1536004	48.562	ug/l	100
68) m/p-Xylenes	11.00	106	1034283	100.307	ug/l	97
69) o-Xylene	11.40	106	531116	51.892	ug/l	98
70) Styrene	11.43	104	804181	47.463	ug/l	98
71) Bromoform	11.59	173	261530	51.685	ug/l	98
73) Isopropylbenzene	11.76	105	1408345	55.879	ug/l	99
74) N-amyl acetate	11.63	43	537488	55.267	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	353070	64.253	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	331239	57.950	ug/l	95
77) Bromobenzene	12.04	156	415689	55.720	ug/l	85
78) n-propylbenzene	12.14	91	1715932	52.321	ug/l	98
79) 2-Chlorotoluene	12.20	91	1025993	54.837	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	1095397	55.730	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	74732	52.786	ug/l	96
82) 4-Chlorotoluene	12.32	91	1066961	59.225	ug/l	92
83) tert-Butylbenzene	12.57	119	1247559	56.212	ug/l	96
84) 1,2,4-Trimethylbenzene	12.62	105	1168645	55.298	ug/l	97
85) sec-Butylbenzene	12.75	105	1311407	48.961	ug/l	98
86) p-Isopropyltoluene	12.87	119	1073096	49.708	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	626128	49.615	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	583043	47.418	ug/l	98
89) n-Butylbenzene	13.19	91	941061	48.236	ug/l	96
90) Hexachloroethane	13.40	117	294201	53.394	ug/l	89
91) 1,2-Dichlorobenzene	13.19	146	547532	53.688	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	51120	60.278	ug/l	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	411843	43.224	ug/l	95
94) Hexachlorobutadiene	14.43	225	234814	31.332	ug/l	97
95) Naphthalene	14.51	128	614820	50.047	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	365307	44.989	ug/l	97

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

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