

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058301.D
 Acq On : 22 Jun 2018 17:26
 Operator : VA/AP
 Sample : J3663-04MSD
 Misc : 7.21g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB472-13-15-180618MSD

Quant Time: Jun 22 22:19:24 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	5.64	168	536843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	746850	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	616438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	330735	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	353156	65.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.26%	
35) Dibromofluoromethane	5.54	113	369598	60.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.60%	
50) Toluene-d8	8.70	98	814986	55.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.84%	
62) 4-Bromofluorobenzene	11.93	95	373375	62.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	419575	86.65	ug/l	99
3) Chloromethane	1.49	50	200455	88.96	ug/l	98
4) Vinyl Chloride	1.56	62	232377	82.63	ug/l	97
5) Bromomethane	1.80	94	88510	146.10	ug/l	91
6) Chloroethane	1.88	64	102026	Below Cal		96
7) Trichlorofluoromethane	2.09	101	342400	88.80	ug/l	95
8) Diethyl Ether	2.34	74	69723	85.49	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.55	101	200153	81.65	ug/l	94
10) Methyl Iodide	2.69	142	249489	89.48	ug/l	98
11) Tert butyl alcohol	3.26	59	70487	394.13	ug/l #	91
12) 1,1-Dichloroethene	2.54	96	157101	85.18	ug/l	96
13) Acrolein	2.47	56	17842	174.76	ug/l	87
14) Allyl chloride	2.91	41	376792	87.78	ug/l	96
15) Acrylonitrile	3.36	53	184629	389.34	ug/l	87
16) Acetone	2.61	43	900077	1213.74	ug/l #	92
17) Carbon Disulfide	2.76	76	485654	77.39	ug/l	98
18) Methyl Acetate	2.93	43	112284	71.00	ug/l #	92
19) Methyl tert-butyl Ether	3.41	73	482314	98.59	ug/l	98
20) Methylene Chloride	3.07	84	174703	94.48	ug/l	92
21) trans-1,2-Dichloroethene	3.39	96	186504	92.53	ug/l	94
22) Diisopropyl ether	4.07	45	1369556	80.33	ug/l	97
23) Vinyl Acetate	4.02	43	3610898	395.09	ug/l	99
24) 1,1-Dichloroethane	3.97	63	781410	85.07	ug/l	98
25) 2-Butanone	4.83	43	1105021	683.68	ug/l	100
26) 2,2-Dichloropropane	4.79	77	638618	83.03	ug/l	100
27) cis-1,2-Dichloroethene	4.79	96	692361	137.45	ug/l	96
28) Bromochloromethane	5.14	49	326441	79.28	ug/l #	95
29) Tetrahydrofuran	5.18	42	308513	358.61	ug/l	97
30) Chloroform	5.32	83	821359	84.70	ug/l	92
31) Cyclohexane	5.59	56	552342	86.66	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	666441	83.18	ug/l	97
36) 1,1-Dichloropropene	5.74	75	544881	73.75	ug/l	98
37) Ethyl Acetate	4.92	43	301860	71.71	ug/l #	97
38) Carbon Tetrachloride	5.72	117	563928	76.82	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	507660	70.54	ug/l	97
40) Benzene	6.01	78	1350097	76.71	ug/l	98
41) Methacrylonitrile	5.12	41	156544	77.01	ug/l	96
42) 1,2-Dichloroethane	6.12	62	557221	78.52	ug/l	98
43) Isopropyl Acetate	7.61	43	377167	67.20	ug/l	99
44) Trichloroethene	6.98	130	415948	78.71	ug/l	93
45) 1,2-Dichloropropane	7.34	63	360236	76.00	ug/l	100
46) Dibromomethane	7.46	93	250091	77.29	ug/l	95
47) Bromodichloromethane	7.74	83	573663	77.75	ug/l	100
48) Methyl methacrylate	7.50	41	238818	70.01	ug/l	98
49) 1,4-Dioxane	7.49	88	44673	1450.90	ug/l #	69
51) 4-Methyl-2-Pentanone	8.59	43	1793055	489.81	ug/l	100
52) Toluene	8.80	92	833578	83.18	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	491903	76.68	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	584903	77.77	ug/l	97
55) 1,1,2-Trichloroethane	9.45	97	267632	75.48	ug/l	97
56) Ethyl methacrylate	9.31	69	307180	72.44	ug/l	98
57) 1,3-Dichloropropane	9.67	76	428499	71.75	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	766367	365.08	ug/l	97
59) 2-Hexanone	9.79	43	1002071	378.83	ug/l	97
60) Dibromochloromethane	9.95	129	375152	77.96	ug/l	96
61) 1,2-Dibromoethane	10.09	107	278467	71.76	ug/l	96
64) Tetrachloroethene	9.51	164	385486	74.32	ug/l	96
65) Chlorobenzene	10.72	112	3047316	264.28	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	341167	76.67	ug/l	98
67) Ethyl Benzene	10.86	91	1554392	76.36	ug/l	99
68) m/p-Xylenes	11.01	106	1075493	158.43	ug/l	100
69) o-Xylene	11.40	106	486857	75.09	ug/l	94
70) Styrene	11.43	104	835272	75.49	ug/l	98
71) Bromoform	11.60	173	266967	75.21	ug/l	98
73) Isopropylbenzene	11.77	105	1409653	71.26	ug/l	99
74) N-amyl acetate	11.65	43	574881	75.16	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	302353	65.68	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	317167	65.68	ug/l	99
77) Bromobenzene	12.04	156	423514	71.49	ug/l	94
78) n-propylbenzene	12.15	91	1828518	71.57	ug/l	98
79) 2-Chlorotoluene	12.22	91	1086007	74.29	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	1269085	82.25	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	77706	65.98	ug/l	96
82) 4-Chlorotoluene	12.33	91	1145705	84.13	ug/l	94
83) tert-Butylbenzene	12.57	119	1063003	59.92	ug/l	94
84) 1,2,4-Trimethylbenzene	12.62	105	1810887	107.97	ug/l	98
85) sec-Butylbenzene	12.76	105	1473570	70.87	ug/l	96
86) p-Isopropyltoluene	12.89	119	1180486	70.06	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	1518880	147.52	ug/l	95
88) 1,4-Dichlorobenzene	12.93	146	2346596	233.39	ug/l	94
89) n-Butylbenzene	13.19	91	571092	32.25	ug/l	97
90) Hexachloroethane	13.40	117	328068	75.01	ug/l	82
91) 1,2-Dichlorobenzene	13.20	146	6816594	777.96	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	60965	83.21	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	605360	72.24	ug/l	95
94) Hexachlorobutadiene	14.43	225	401858	61.31	ug/l	99
95) Naphthalene	14.51	128	1135866	102.90	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	503727	68.66	ug/l	97

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

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