

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060718\
 Data File : VD057972.D
 Acq On : 7 Jun 2018 15:26
 Operator : JC/SY
 Sample : J3320-03MSD
 Misc : 5.75u/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S39-0177MSD

Quant Time: Jun 08 06:48:21 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	5.65	168	865997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1092320	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	682252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	194330	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	383475	44.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.58%	
35) Dibromofluoromethane	5.55	113	430457	50.93	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	101.86%	
50) Toluene-d8	8.71	98	933947	46.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.96%	
62) 4-Bromofluorobenzene	11.93	95	256968	29.32	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	58.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	580965	49.985	ug/l	100
3) Chloromethane	1.49	50	298967	52.228	ug/l	95
4) Vinyl Chloride	1.57	62	324325	58.533	ug/l	97
5) Bromomethane	1.82	94	157046	72.317	ug/l	99
6) Chloroethane	1.90	64	142436	65.155	ug/l	89
7) Trichlorofluoromethane	2.10	101	451925	59.667	ug/l	100
8) Diethyl Ether	2.36	74	74465	52.923	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.57	101	234168	51.832	ug/l	97
10) Methyl Iodide	2.70	142	353595	60.657	ug/l	98
11) Tert butyl alcohol	3.26	59	54597	235.402	ug/l	98
12) 1,1-Dichloroethene	2.56	96	200852	57.829	ug/l	98
13) Acrolein	2.48	56	43013	129.496	ug/l	94
14) Allyl chloride	2.93	41	404312	50.463	ug/l	98
15) Acrylonitrile	3.36	53	288098	212.331	ug/l	97
16) Acetone	2.62	43	433587	347.604	ug/l	96
17) Carbon Disulfide	2.76	76	718245	57.084	ug/l	99
18) Methyl Acetate	2.94	43	172463	71.473	ug/l	94
19) Methyl tert-butyl Ether	3.41	73	752252	49.223	ug/l	98
20) Methylene Chloride	3.08	84	183869	54.172	ug/l	96
21) trans-1,2-Dichloroethene	3.39	96	453983	58.684	ug/l	99
22) Diisopropyl ether	4.07	45	1665156	52.460	ug/l	99
23) Vinyl Acetate	4.02	43	3280453	200.027	ug/l	99
24) 1,1-Dichloroethane	3.97	63	930623	53.347	ug/l	99
25) 2-Butanone	4.84	43	676905	238.786	ug/l	97
26) 2,2-Dichloropropane	4.80	77	750339	52.214	ug/l	89
27) cis-1,2-Dichloroethene	4.81	96	772850	84.234	ug/l	94
28) Bromochloromethane	5.14	49	385072	51.001	ug/l	98
29) Tetrahydrofuran	5.18	42	320174	215.459	ug/l	99
30) Chloroform	5.32	83	897463	51.118	ug/l	99
31) Cyclohexane	5.60	56	652424	43.337	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	774669	52.698	ug/l	99
36) 1,1-Dichloropropene	5.75	75	637848	53.002	ug/l	96
37) Ethyl Acetate	4.93	43	428223	65.212	ug/l	97
38) Carbon Tetrachloride	5.73	117	663281	55.924	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	459942	38.554	ug/l	98
40) Benzene	6.02	78	1468790	52.245	ug/l	98
41) Methacrylonitrile	5.13	41	162177	54.014	ug/l	95
42) 1,2-Dichloroethane	6.13	62	588758	51.797	ug/l	100
43) Isopropyl Acetate	7.62	43	388289	45.144	ug/l	100
44) Trichloroethene	6.98	130	459831	55.997	ug/l	93
45) 1,2-Dichloropropane	7.34	63	389907	49.901	ug/l	98
46) Dibromomethane	7.46	93	242430	48.298	ug/l	98
47) Bromodichloromethane	7.74	83	601361	51.169	ug/l	96
48) Methyl methacrylate	7.51	41	240442	45.418	ug/l	96
49) 1,4-Dioxane	7.49	88	37335	851.301	ug/l	95
51) 4-Methyl-2-Pentanone	8.59	43	1259529	228.304	ug/l	98
52) Toluene	8.80	92	785934	48.711	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	480462	47.451	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	589779	49.441	ug/l	94
55) 1,1,2-Trichloroethane	9.45	97	244645	46.851	ug/l	99
56) Ethyl methacrylate	9.31	69	298413	46.588	ug/l	96
57) 1,3-Dichloropropane	9.66	76	420780	45.944	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	669970	207.026	ug/l	97
59) 2-Hexanone	9.78	43	839066	207.536	ug/l	100
60) Dibromochloromethane	9.96	129	340319	46.217	ug/l	99
61) 1,2-Dibromoethane	10.09	107	272882	45.442	ug/l	99
64) Tetrachloroethene	9.51	164	343558	56.327	ug/l	96
65) Chlorobenzene	10.72	112	726830	52.624	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	316745	59.690	ug/l	99
67) Ethyl Benzene	10.85	91	1376933	55.182	ug/l	99
68) m/p-Xylenes	11.01	106	895253	110.056	ug/l	94
69) o-Xylene	11.41	106	428011	53.008	ug/l	98
70) Styrene	11.43	104	551095	41.229	ug/l	98
71) Bromoform	11.59	173	202689	50.775	ug/l #	97
73) Isopropylbenzene	11.77	105	1155417	89.765	ug/l	100
74) N-amyl acetate	11.64	43	434876	87.557	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	237512	84.635	ug/l	99
76) 1,2,3-Trichloropropane	12.10	75	250495	85.812	ug/l	96
77) Bromobenzene	12.04	156	272275	71.463	ug/l	92
78) n-propylbenzene	12.15	91	1372936	81.971	ug/l	100
79) 2-Chlorotoluene	12.21	91	705415	73.826	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	746085	74.326	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	59871	82.807	ug/l	88
82) 4-Chlorotoluene	12.32	91	704154	77.527	ug/l	98
83) tert-Butylbenzene	12.57	119	913267	80.575	ug/l	90
84) 1,2,4-Trimethylbenzene	12.62	105	829817	76.885	ug/l	97
85) sec-Butylbenzene	12.75	105	935443	68.385	ug/l	100
86) p-Isopropyltoluene	12.88	119	730469	66.256	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	334072	51.835	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	325700	51.867	ug/l	92
89) n-Butylbenzene	13.19	91	589273	60.233	ug/l	97
90) Hexachloroethane	13.39	117	183488	65.206	ug/l	66
91) 1,2-Dichlorobenzene	13.19	146	255093	48.977	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	29910	69.059	ug/l	88

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93) 1,2,4-Trichlorobenzene	14.34	180	95925	19.713	ug/l	97
94) Hexachlorobutadiene	14.43	225	96759	25.280	ug/l	97
95) Naphthalene	14.51	128	142087	22.648	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	71646	17.277	ug/l	98

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

