

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082118\
 Data File : VD059855.D
 Acq On : 21 Aug 2018 14:57
 Operator : JC/SY
 Sample : J4511-10MS
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 RA-081518-FL-031MS

Manual Integrations
 APPROVED

apatel
 8/22/2018 12:42:45 PM

Quant Time: Aug 22 01:31:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:40:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	977488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1387627	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1010623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	427989	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.98	65	378882	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
35) Dibromofluoromethane	5.51	113	520866	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
50) Toluene-d8	8.67	98	1348098	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	11.91	95	479761	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	439710	52.23	ug/l	100
3) Chloromethane	1.46	50	335845	47.09	ug/l	100
4) Vinyl Chloride	1.53	62	286781	50.17	ug/l	98
5) Bromomethane	1.77	94	59553	79.29	ug/l	90
6) Chloroethane	1.85	64	92399	71.45	ug/l	97
7) Trichlorofluoromethane	2.06	101	335104	58.24	ug/l	98
8) Diethyl Ether	2.32	74	66655	51.82	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.52	101	191646	52.37	ug/l	99
10) Methyl Iodide	2.66	142	213504	50.60	ug/l	97
11) Tert butyl alcohol	3.21	59	70418	243.50	ug/l #	91
12) 1,1-Dichloroethene	2.51	96	150606	59.17	ug/l	90
13) Acrolein	2.44	56	39135	132.64	ug/l	99
14) Allyl chloride	2.89	41	374989	49.00	ug/l	98
15) Acrylonitrile	3.31	53	280008	209.19	ug/l	99
16) Acetone	2.57	43	528355	402.95	ug/l	96
17) Carbon Disulfide	2.72	76	491271	50.79	ug/l	99
18) Methyl Acetate	2.90	43	170394	64.93	ug/l	99
19) Methyl tert-butyl Ether	3.36	73	807531	47.74	ug/l	99
20) Methylene Chloride	3.03	84	167318	51.45	ug/l	98
21) trans-1,2-Dichloroethene	3.35	96	379058	46.88	ug/l	95
22) Diisopropyl ether	4.02	45	2062080	52.75	ug/l	95
23) Vinyl Acetate	3.97	43	4446043	211.72	ug/l	100
24) 1,1-Dichloroethane	3.92	63	888847	51.70	ug/l	99
25) 2-Butanone	4.79	43	1129348	284.95	ug/l	100
26) 1,2-Dichloropropane	4.75	77	678199	50.28	ug/l	99
27) cis-1,2-Dichloroethene	4.76	96	524963	51.31	ug/l	98
28) Bromochloromethane	5.10	49	415638	47.71	ug/l	99
29) Tetrahydrofuran	5.14	42	471738	235.08	ug/l	100
30) Chloroform	5.28	83	884848	52.15	ug/l	99
31) Cyclohexane	5.55	56	669307	46.67	ug/l	98
32) 1,1,1-Trichloroethane	5.47	97	732228	51.22	ug/l	99
36) 1,1-Dichloropropene	5.70	75	592832	50.38	ug/l	99
37) Ethyl Acetate	4.88	43	392162	44.95	ug/l	100
38) Carbon Tetrachloride	5.68	117	586355	49.92	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	551216	43.79	ug/l	95
40) Benzene	5.97	78	1660937	54.48	ug/l	100
41) Methacrylonitrile	5.08	41	197193	44.12	ug/l	97
42) 1,2-Dichloroethane	6.09	62	491970	49.55	ug/l	99
43) Isopropyl Acetate	7.58	43	515025	42.68	ug/l	95
44) Trichloroethene	6.94	130	466364	51.43	ug/l	96
45) 1,2-Dichloropropane	7.31	63	468296	52.31	ug/l	99
46) Dibromomethane	7.42	93	273813	49.12	ug/l	93
47) Bromodichloromethane	7.70	83	618008	50.21	ug/l	98
48) Methyl methacrylate	7.46	41	320370	48.14	ug/l	99
49) 1,4-Dioxane	7.45	88	57977	1029.48	ug/l	92
51) 4-Methyl-2-Pentanone	8.57	43	2168649	268.83	ug/l	99
52) Toluene	8.76	92	951907	49.37	ug/l	99
53) t-1,3-Dichloropropene	9.15	75	538835	48.06	ug/l	98
54) cis-1,3-Dichloropropene	8.32	75	669394	49.86	ug/l	99
55) 1,1,2-Trichloroethane	9.42	97	333223	47.88	ug/l	99
56) Ethyl methacrylate	9.27	69	380684	47.44	ug/l	97
57) 1,3-Dichloropropane	9.63	76	505494	49.68	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.15	63	960665	214.12	ug/l	97
59) 2-Hexanone	9.75	43	1538803	258.07	ug/l	99
60) Dibromochloromethane	9.92	129	425164	47.44	ug/l	98
61) 1,2-Dibromoethane	10.06	107	346724	46.62	ug/l	99
64) Tetrachloroethene	9.48	164	393359	53.16	ug/l	99
65) Chlorobenzene	10.69	112	1037451	53.23	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.82	131	375546	56.45	ug/l	98
67) Ethyl Benzene	10.83	91	1676808	53.31	ug/l	98
68) m/p-Xylenes	10.99	106	1221990	105.06	ug/l	99
69) o-Xylene	11.38	106	615924	54.54	ug/l	98
70) Styrene	11.41	104	1016629	51.69	ug/l	97
71) Bromoform	11.58	173	303040	50.69	ug/l #	98
73) Isopropylbenzene	11.75	105	1554366	53.29	ug/l	98
74) N-amyl acetate	11.63	43	608114	46.56	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.05	83	375148	54.57	ug/l	100
76) 1,2,3-Trichloropropane	12.09	75	374515	52.89	ug/l	99
77) Bromobenzene	12.02	156	456086	56.26	ug/l	88
78) n-propylbenzene	12.13	91	1882428	51.96	ug/l	97
79) 2-Chlorotoluene	12.20	91	1055442	50.61	ug/l	97
80) 1,3,5-Trimethylbenzene	12.30	105	1122394	53.26	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	109364	49.41	ug/l	91
82) 4-Chlorotoluene	12.31	91	1116164	54.45	ug/l	93
83) tert-Butylbenzene	12.55	119	1203639m	52.31	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	1235328	51.47	ug/l	98
85) sec-Butylbenzene	12.74	105	1524681	49.97	ug/l	97
86) p-Isopropyltoluene	12.87	119	1206239	50.39	ug/l	97
87) 1,3-Dichlorobenzene	12.82	146	734443	53.81	ug/l	100
88) 1,4-Dichlorobenzene	12.91	146	706953	52.26	ug/l	98
89) n-Butylbenzene	13.17	91	1032608	45.59	ug/l	98
90) Hexachloroethane	13.38	117	313464	45.90	ug/l	82
91) 1,2-Dichlorobenzene	13.17	146	568853	56.49	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.75	75	49685	48.55	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	419251	42.79	ug/l	99
94) Hexachlorobutadiene	14.41	225	220036	33.38	ug/l	97
95) Naphthalene	14.49	128	678817	42.41	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	347779	40.50	ug/l	98

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

