

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059897.D
 Acq On : 23 Aug 2018 19:26
 Operator : JC/SY
 Sample : J4559-10MS
 Misc : 5.10u/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 3:09:44 PM

Quant Time: Aug 24 07:07:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	57476	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	90119	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	72544	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	27092	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	50837	104.94	ug/l	-0.03
Spiked Amount			Recovery	=	209.88%	
35) Dibromofluoromethane	6.30	113	43751	61.92	ug/l	-0.03
Spiked Amount			Recovery	=	123.84%	
50) Toluene-d8	9.44	98	97323	49.63	ug/l	-0.02
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.42	95	36664	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	24467	47.62	ug/l	99
3) Chloromethane	1.73	50	27967	60.09	ug/l	93
4) Vinyl Chloride	1.83	62	17880	48.99	ug/l	96
5) Bromomethane	2.13	94	12317	195.48	ug/l	92
6) Chloroethane	2.24	64	8819	Below	Cal	97
7) Trichlorofluoromethane	2.49	101	23422	55.48	ug/l	95
8) Diethyl Ether	2.80	74	9852	104.01	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.07	101	9577	37.04	ug/l	95
10) Methyl Iodide	3.22	142	10858	40.15	ug/l #	91
11) Tert butyl alcohol	3.94	59	58275	1576.56	ug/l #	91
12) 1,1-Dichloroethene	3.06	96	10460	51.97	ug/l	96
13) Acrolein	2.96	56	11813	736.84	ug/l	89
14) Allyl chloride	3.51	41	34743	76.30	ug/l #	92
15) Acrylonitrile	4.06	53	171429	1238.47	ug/l	100
16) Acetone	3.13	43	138295	1566.93	ug/l	97
17) Carbon Disulfide	3.29	76	26752	42.82	ug/l	98
18) Methyl Acetate	3.53	43	107297	582.36	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	122023	107.16	ug/l	94
20) Methylene Chloride	3.70	84	47079	82.33	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	28773	51.88	ug/l	93
22) Diisopropyl ether	4.83	45	185108	79.71	ug/l	99
23) Vinyl Acetate	4.78	43	469619	361.73	ug/l	98
24) 1,1-Dichloroethane	4.73	63	62876	62.67	ug/l	99
25) 2-Butanone	5.60	43	355227	1358.97	ug/l	98
26) 2,2-Dichloropropane	5.57	77	44814	53.43	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	40063	65.98	ug/l	95
28) Bromochloromethane	5.90	49	41092	85.46	ug/l	85
29) Tetrahydrofuran	5.93	42	171654	1379.37	ug/l	97
30) Chloroform	6.09	83	70406	69.05	ug/l	94
31) Cyclohexane	6.35	56	20820	22.57	ug/l	96
32) 1,1,1-Trichloroethane	6.27	97	43234	49.96	ug/l	95
36) 1,1-Dichloropropene	6.51	75	32311	39.55	ug/l	98
37) Ethyl Acetate	5.67	43	95517	150.25	ug/l #	93
38) Carbon Tetrachloride	6.48	117	30662	37.19	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	9027	10.23	ug/l	93
40) Benzene	6.78	78	117798	55.46	ug/l	99
41) Methacrylonitrile	5.91	41	52113m	162.74	ug/l	
42) 1,2-Dichloroethane	6.87	62	57304	84.03	ug/l	98
43) Isopropyl Acetate	8.34	43	94044	113.71	ug/l #	93
44) Trichloroethene	7.72	130	27148	43.41	ug/l	98
45) 1,2-Dichloropropane	8.08	63	36920	62.18	ug/l	97
46) Dibromomethane	8.20	93	33018	86.49	ug/l	92
47) Bromodichloromethane	8.48	83	56387	65.24	ug/l	93
48) Methyl methacrylate	8.23	41	76110	157.87	ug/l	98
49) 1,4-Dioxane	8.21	88	23147	5377.84	ug/l	95
51) 4-Methyl-2-Pentanone	9.33	43	640726	1039.18	ug/l	97
52) Toluene	9.54	92	62260	45.71	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	58276	72.90	ug/l	96
54) cis-1,3-Dichloropropene	9.09	75	61134	65.96	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	44349	89.07	ug/l	94
56) Ethyl methacrylate	10.02	69	55431	96.47	ug/l	96
57) 1,3-Dichloropropane	10.38	76	59831	83.03	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.91	63	166551	604.20	ug/l	98
59) 2-Hexanone	10.48	43	505881	1112.39	ug/l	94
60) Dibromochloromethane	10.63	129	46155	73.75	ug/l	97
61) 1,2-Dibromoethane	10.75	107	47106	93.57	ug/l	99
64) Tetrachloroethene	10.24	164	18146	32.35	ug/l	92
65) Chlorobenzene	11.30	112	70088	48.62	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.41	131	29355	55.74	ug/l	99
67) Ethyl Benzene	11.42	91	98376	40.56	ug/l	96
68) m/p-Xylenes	11.56	106	68787	77.90	ug/l	91
69) o-Xylene	11.93	106	35695	41.33	ug/l	93
70) Styrene	11.95	104	66645	44.57	ug/l	94
71) Bromoform	12.11	173	40936	89.83	ug/l	98
73) Isopropylbenzene	12.27	105	60002	34.70	ug/l	99
74) N-amyl acetate	12.13	43	74328	98.16	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	70202	175.50	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	82528	195.99	ug/l	98
77) Bromobenzene	12.53	156	31742	66.20	ug/l	97
78) n-propylbenzene	12.63	91	73327	33.48	ug/l	93
79) 2-Chlorotoluene	12.70	91	56038	45.25	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	48801	35.49	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	21735	165.94	ug/l	96
82) 4-Chlorotoluene	12.81	91	71275	50.46	ug/l	96
83) tert-Butylbenzene	13.04	119	50731	32.39	ug/l	99
84) 1,2,4-Trimethylbenzene	13.08	105	57602	40.19	ug/l	100
85) sec-Butylbenzene	13.21	105	36306	19.71	ug/l	99
86) p-Isopropyltoluene	13.34	119	30336	20.25	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	36074	42.14	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	40556	47.49	ug/l	98
89) n-Butylbenzene	13.64	91	26830	16.17	ug/l	99
90) Hexachloroethane	13.85	117	6497	16.15	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	39407	54.14	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	12444	202.33	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	14178	22.75	ug/l	88
94) Hexachlorobutadiene	14.88	225	3029	7.41	ug/l	92
95) Naphthalene	14.96	128	76434	80.26	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	14239	26.71	ug/l	92

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

