

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122718\
 Data File : VF061209.D
 Acq On : 27 Dec 2018 15:43
 Operator : VA/AP
 Sample : J6378-18MS
 Misc : 5.02g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MS

Manual Integrations
 APPROVED

MMDadoda
 12/28/2018 9:38:30 AM

Quant Time: Dec 28 04:14:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	105637	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	187368	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	162990	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	62801	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	77505	57.04	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	114.08%	
35) Dibromofluoromethane	4.09	113	83535	55.66	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	111.32%	
50) Toluene-d8	7.53	98	212789	50.03	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.40	95	85065	43.38	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	86.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	124469	53.005	ug/l	98
3) Chloromethane	1.08	50	80926	60.163	ug/l	100
4) Vinyl Chloride	1.13	62	72713	58.273	ug/l	91
5) Bromomethane	1.32	94	48765	56.344	ug/l	93
6) Chloroethane	1.37	64	34685	60.326	ug/l	96
7) Trichlorofluoromethane	1.47	101	147724	62.003	ug/l	96
8) Diethyl Ether	1.62	74	20605	63.155	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.80	101	62778	50.819	ug/l	98
10) Methyl Iodide	1.87	142	93677	48.108	ug/l	96
11) Tert butyl alcohol	2.55	59	19770	360.582	ug/l	98
12) 1,1-Dichloroethene	1.77	96	51630	55.445	ug/l	95
13) Acrolein	1.99	56	5453m	137.638	ug/l	
14) Allyl chloride	2.09	41	90081	92.958	ug/l	92
15) Acrylonitrile	2.92	53	42416	334.554	ug/l	91
16) Acetone	2.22	43	92455	340.391	ug/l #	89
17) Carbon Disulfide	1.82	76	154545	54.919	ug/l	100
18) Methyl Acetate	2.33	43	86445m	153.832	ug/l	
19) Methyl tert-butyl Ether	2.41	73	134047	64.854	ug/l	99
20) Methylene Chloride	2.17	84	56134m	66.123	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	59789	60.032	ug/l	91
22) Diisopropyl ether	2.79	45	193970	60.091	ug/l	97
23) Vinyl Acetate	3.17	43	60514	40.637	ug/l	96
24) 1,1-Dichloroethane	2.86	63	122837	64.227	ug/l	97
25) 2-Butanone	4.31	43	142634	323.796	ug/l	100
26) 2,2-Dichloropropane	3.58	77	78600	71.613	ug/l	97
27) cis-1,2-Dichloroethene	3.45	96	86050	56.436	ug/l	95
28) Bromochloromethane	3.69	49	60952	62.810	ug/l	91
29) Tetrahydrofuran	4.05	42	64495	359.723	ug/l	98
30) Chloroform	3.83	83	158937	55.423	ug/l	97
31) Cyclohexane	3.67	56	95825	48.285	ug/l	97
32) 1,1,1-Trichloroethane	4.07	97	125096	72.779	ug/l	93
36) 1,1-Dichloropropene	4.26	75	112753	49.854	ug/l	97
37) Ethyl Acetate	4.09	43	44606	50.866	ug/l #	52
38) Carbon Tetrachloride	3.96	117	104185	60.490	ug/l	90

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39) Methylcyclohexane	5.43	83	86489	42.626	ug/l	97
40) Benzene	4.61	78	256538	52.745	ug/l	96
41) Methacrylonitrile	4.72	41	28434	59.530	ug/l	95
42) 1,2-Dichloroethane	4.92	62	101021	54.676	ug/l	94
43) Isopropyl Acetate	6.94	43	37038	33.916	ug/l #	96
44) Trichloroethene	5.48	130	77339	50.436	ug/l	100
45) 1,2-Dichloropropane	6.21	63	72395	54.710	ug/l	96
46) Dibromomethane	6.06	93	47936	55.853	ug/l	94
47) Bromodichloromethane	6.36	83	118425	53.107	ug/l	98
48) Methyl methacrylate	6.69	41	53734	70.483	ug/l	95
49) 1,4-Dioxane	6.68	88	7991	1444.586	ug/l #	94
51) 4-Methyl-2-Pentanone	8.24	43	234732	313.416	ug/l	100
52) Toluene	7.60	92	152441	47.349	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	94810	52.704	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	120833	53.519	ug/l	100
55) 1,1,2-Trichloroethane	8.47	97	55222	57.215	ug/l	94
56) Ethyl methacrylate	8.60	69	42228	40.433	ug/l	98
57) 1,3-Dichloropropane	8.83	76	97972	56.124	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.27	63	20676	103.080	ug/l #	87
59) 2-Hexanone	9.47	43	162750	300.487	ug/l	98
60) Dibromochloromethane	8.70	129	75856	54.828	ug/l	98
61) 1,2-Dibromoethane	8.96	107	57553	55.834	ug/l	96
64) Tetrachloroethene	8.13	164	59858	47.741	ug/l	96
65) Chlorobenzene	9.78	112	171776	51.015	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.91	131	74326	54.016	ug/l	99
67) Ethyl Benzene	9.88	91	317744	51.798	ug/l	100
68) m/p-Xylenes	10.11	106	201757	93.458	ug/l	94
69) o-Xylene	10.70	106	114861	47.973	ug/l	95
70) Styrene	10.77	104	157868	54.555	ug/l	98
71) Bromoform	10.76	173	36494	57.326	ug/l #	97
73) Isopropylbenzene	11.11	105	301402	55.693	ug/l	98
74) N-amyl acetate	11.36	43	33610	27.973	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	75427	83.976	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	53722	80.370	ug/l	92
77) Bromobenzene	11.48	156	72424	62.167	ug/l	96
78) n-propylbenzene	11.58	91	356201	59.515	ug/l	98
79) 2-Chlorotoluene	11.70	91	210622	56.732	ug/l	97
80) 1,3,5-Trimethylbenzene	11.81	105	235115	52.760	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	23485m	81.763	ug/l	
82) 4-Chlorotoluene	11.88	91	212531	55.339	ug/l	94
83) tert-Butylbenzene	12.12	119	245756	53.593	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	238364	53.639	ug/l	98
85) sec-Butylbenzene	12.30	105	285183	47.655	ug/l	98
86) p-Isopropyltoluene	12.44	119	243779	49.077	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	113842	61.069	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	111202	51.982	ug/l	98
89) n-Butylbenzene	12.83	91	205969	39.051	ug/l	93
90) Hexachloroethane	12.90	117	54401	44.328	ug/l	92
91) 1,2-Dichlorobenzene	12.93	146	106603	51.185	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.63	75	12099	73.406	ug/l	88

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93) 1,2,4-Trichlorobenzene	14.18	180	48330	32.721	ug/l	92
94) Hexachlorobutadiene	14.18	225	19920	21.175	ug/l	96
95) Naphthalene	14.44	128	118585	43.967	ug/l	97
96) 1,2,3-Trichlorobenzene	14.58	180	39629	29.022	ug/l	98

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

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