

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122118\
 Data File : VF061137.D
 Acq On : 21 Dec 2018 20:34
 Operator : VA/AP
 Sample : J6377-17MS
 Misc : 4.61g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MS

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:51:41 AM

Quant Time: Dec 22 00:22:12 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	4.92	168	94607	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.64	114	167305	50.00	ug/l	0.04
63) Chlorobenzene-d5	9.82	117	125413	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	12.58	152	38784	50.00	ug/l	0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.89	65	67272	55.29	ug/l	0.04
Spiked Amount	50.000		Recovery	=	110.58%	
35) Dibromofluoromethane	4.15	113	69745	52.04	ug/l	0.03
Spiked Amount	50.000		Recovery	=	104.08%	
50) Toluene-d8	7.59	98	185449	48.83	ug/l	0.03
Spiked Amount	50.000		Recovery	=	97.66%	
62) 4-Bromofluorobenzene	11.44	95	60169	34.36	ug/l	0.02
Spiked Amount	50.000		Recovery	=	68.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	102994	48.974	ug/l	98
3) Chloromethane	1.12	50	64684	53.695	ug/l	99
4) Vinyl Chloride	1.15	62	59433	53.183	ug/l	88
5) Bromomethane	1.37	94	39377	50.802	ug/l	97
6) Chloroethane	1.41	64	29183	56.674	ug/l #	87
7) Trichlorofluoromethane	1.50	101	103729	48.613	ug/l	98
8) Diethyl Ether	1.65	74	16040	54.895	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.86	101	48818	44.126	ug/l	95
10) Methyl Iodide	1.94	142	81550m	46.762	ug/l	
11) Tert butyl alcohol	2.61	59	17601	358.449	ug/l	94
12) 1,1-Dichloroethene	1.82	96	42713	51.217	ug/l	94
13) Acrolein	2.03	56	4093	115.355	ug/l	89
14) Allyl chloride	2.12	41	30765	35.449	ug/l	94
15) Acrylonitrile	2.97	53	39115	344.486	ug/l	92
16) Acetone	2.26	43	60096	247.051	ug/l	95
17) Carbon Disulfide	1.87	76	117970m	46.809	ug/l	
18) Methyl Acetate	2.37	43	95840	190.434	ug/l	93
19) Methyl tert-butyl Ether	2.46	73	102152	55.185	ug/l	99
20) Methylene Chloride	2.28	84	44336m	57.731	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	42633m	47.797	ug/l	
22) Diisopropyl ether	2.84	45	164466	56.891	ug/l	97
23) Vinyl Acetate	3.22	43	15492m	11.616	ug/l	
24) 1,1-Dichloroethane	2.90	63	85888	50.144	ug/l	99
25) 2-Butanone	4.38	43	126689	321.130	ug/l	96
26) 2,2-Dichloropropane	3.64	77	53290	54.214	ug/l	97
27) cis-1,2-Dichloroethene	3.51	96	72846	53.346	ug/l	95
28) Bromochloromethane	3.75	49	48037	55.273	ug/l	86
29) Tetrahydrofuran	4.13	42	56567	352.289	ug/l	98
30) Chloroform	3.90	83	137875	53.684	ug/l	100
31) Cyclohexane	3.72	56	76390m	42.980	ug/l	
32) 1,1,1-Trichloroethane	4.14	97	81794	53.134	ug/l	96
36) 1,1-Dichloropropene	4.32	75	92281	45.695	ug/l	96
37) Ethyl Acetate	4.17	43	48022	64.393	ug/l #	74
38) Carbon Tetrachloride	4.03	117	73065	47.509	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	59441	32.809	ug/l	98
40) Benzene	4.68	78	255446	58.819	ug/l	92
41) Methacrylonitrile	4.79	41	28021	65.701	ug/l	91
42) 1,2-Dichloroethane	4.99	62	88322	53.535	ug/l	99
43) Isopropyl Acetate	7.00	43	53213m	54.571	ug/l	
44) Trichloroethene	5.55	130	68397	49.954	ug/l	100
45) 1,2-Dichloropropane	6.28	63	59732	50.553	ug/l	91
46) Dibromomethane	6.13	93	42418	55.351	ug/l	97
47) Bromodichloromethane	6.43	83	95175	47.799	ug/l	96
48) Methyl methacrylate	6.75	41	47548	69.848	ug/l	95
49) 1,4-Dioxane	6.75	88	8370	1694.549	ug/l	98
51) 4-Methyl-2-Pentanone	8.30	43	220193	329.260	ug/l	99
52) Toluene	7.66	92	138385	48.137	ug/l	99
53) t-1,3-Dichloropropene	8.32	75	77570	48.291	ug/l	96
54) cis-1,3-Dichloropropene	7.34	75	95756	47.498	ug/l	99
55) 1,1,2-Trichloroethane	8.54	97	45325	52.592	ug/l	95
56) Ethyl methacrylate	8.67	69	44167	47.361	ug/l	97
57) 1,3-Dichloropropane	8.89	76	79968	51.304	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.33	63	27967	156.150	ug/l	96
59) 2-Hexanone	9.53	43	144432	298.644	ug/l	99
60) Dibromochloromethane	8.75	129	59303	48.004	ug/l	96
61) 1,2-Dibromoethane	9.03	107	49220	53.476	ug/l	98
64) Tetrachloroethene	8.19	164	44796	46.433	ug/l	94
65) Chlorobenzene	9.84	112	134537	51.928	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.97	131	59427	56.128	ug/l	91
67) Ethyl Benzene	9.94	91	237775	50.375	ug/l	98
68) m/p-Xylenes	10.18	106	156722	94.348	ug/l	97
69) o-Xylene	10.75	106	88062	47.801	ug/l	99
70) Styrene	10.83	104	109465	48.628	ug/l	96
71) Bromoform	10.81	173	28621	58.429	ug/l	99
73) Isopropylbenzene	11.15	105	225880	67.584	ug/l	94
74) N-amyl acetate	11.40	43	52348	70.547	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.72	83	58763	105.937	ug/l	98
76) 1,2,3-Trichloropropane	11.82	75	43841	106.203	ug/l	93
77) Bromobenzene	11.53	156	47984	66.694	ug/l	97
78) n-propylbenzene	11.63	91	225141	61.414	ug/l	98
79) 2-Chlorotoluene	11.75	91	137511	59.976	ug/l	99
80) 1,3,5-Trimethylbenzene	11.85	105	155632	56.551	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.90	75	18377m	103.599	ug/l	
82) 4-Chlorotoluene	11.93	91	135505	57.132	ug/l	99
83) tert-Butylbenzene	12.16	119	169005	59.678	ug/l	95
84) 1,2,4-Trimethylbenzene	12.24	105	152017	55.392	ug/l	99
85) sec-Butylbenzene	12.34	105	185121	50.091	ug/l	100
86) p-Isopropyltoluene	12.48	119	144635	47.149	ug/l	96
87) 1,3-Dichlorobenzene	12.50	146	68367	59.219	ug/l	96
88) 1,4-Dichlorobenzene	12.59	146	71514	54.131	ug/l	99
89) n-Butylbenzene	12.87	91	122306	37.256	ug/l	91
90) Hexachloroethane	12.95	117	35722	47.133	ug/l	85
91) 1,2-Dichlorobenzene	12.97	146	65375	50.827	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.67	75	9789	96.169	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	23104	25.328	ug/l	90
94) Hexachlorobutadiene	14.22	225	12784	22.004	ug/l	90
95) Naphthalene	14.49	128	63550	38.153	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	19192	22.759	ug/l	96

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

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