

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062498.D
 Acq On : 12 May 2019 12:57
 Operator : FY/SY
 Sample : VF0512SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 12:26:07 PM

Quant Time: May 13 05:17:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	319803	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	426013	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	359964	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	238636	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	137444	45.48	ug/l	0.03
Spiked Amount	50.000		Recovery	=	90.96%	
35) Dibromofluoromethane	4.33	113	179727	52.95	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.90%	
50) Toluene-d8	7.73	98	389910	47.46	ug/l	0.02
Spiked Amount	50.000		Recovery	=	94.92%	
62) 4-Bromofluorobenzene	11.50	95	181586	48.99	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	86395	23.342	ug/l	95
3) Chloromethane	1.14	50	50597	20.728	ug/l	98
4) Vinyl Chloride	1.19	62	53997	22.177	ug/l	94
5) Bromomethane	1.40	94	42954	21.973	ug/l	91
6) Chloroethane	1.45	64	28768	23.501	ug/l	95
7) Trichlorofluoromethane	1.56	101	122856	24.319	ug/l	99
8) Diethyl Ether	1.71	74	14276	18.676	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.92	101	67122	23.273	ug/l	95
10) Methyl Iodide	1.99	142	117047	24.626	ug/l #	96
11) Tert butyl alcohol	2.70	59	17503	102.470	ug/l #	91
12) 1,1-Dichloroethene	1.88	96	54090	22.060	ug/l	91
13) Acrolein	2.11	56	11325	94.097	ug/l	91
14) Allyl chloride	2.21	41	70755	32.668	ug/l	87
15) Acrylonitrile	3.09	53	37400	115.589	ug/l	96
16) Acetone	2.35	43	60663	99.223	ug/l	98
17) Carbon Disulfide	1.92	76	118154	22.100	ug/l	99
18) Methyl Acetate	2.47	43	23228	18.884	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	103365	20.422	ug/l	99
20) Methylene Chloride	2.29	84	49470m	22.365	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	51908	22.220	ug/l	99
22) Diisopropyl ether	2.94	45	141449	20.896	ug/l	96
23) Vinyl Acetate	3.36	43	310129	102.793	ug/l	100
24) 1,1-Dichloroethane	3.02	63	96366	23.554	ug/l	96
25) 2-Butanone	4.54	43	69844	90.931	ug/l #	83
26) 2,2-Dichloropropane	3.79	77	65329	28.594	ug/l	98
27) cis-1,2-Dichloroethene	3.66	96	65787	22.529	ug/l	96
28) Bromochloromethane	3.92	49	35565	19.168	ug/l #	99
29) Tetrahydrofuran	4.29	42	33899	96.027	ug/l	95
30) Chloroform	4.07	83	129723	23.470	ug/l	92
31) Cyclohexane	3.90	56	74357	22.770	ug/l	98
32) 1,1,1-Trichloroethane	4.32	97	119153	25.153	ug/l	97
36) 1,1-Dichloropropene	4.49	75	79646	21.764	ug/l	99
37) Ethyl Acetate	4.33	43	29999	17.641	ug/l #	97
38) Carbon Tetrachloride	4.21	117	97128m	24.151	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	74566	20.316	ug/l	98
40) Benzene	4.85	78	172395	21.392	ug/l	95
41) Methacrylonitrile	4.95	41	14180	16.160	ug/l #	86
42) 1,2-Dichloroethane	5.14	62	68663	20.372	ug/l	97
43) Isopropyl Acetate	7.13	43	30684	18.434	ug/l #	99
44) Trichloroethene	5.71	130	62867	21.236	ug/l	91
45) 1,2-Dichloropropane	6.42	63	41973	22.995	ug/l	99
46) Dibromomethane	6.28	93	32863	21.715	ug/l	95
47) Bromodichloromethane	6.57	83	80521	21.281	ug/l	99
48) Methyl methacrylate	6.89	41	21272	18.083	ug/l	92
49) 1,4-Dioxane	6.89	88	4261	343.619	ug/l	90
51) 4-Methyl-2-Pentanone	8.42	43	125406	99.425	ug/l	100
52) Toluene	7.79	92	110685	22.264	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	59904	20.932	ug/l	95
54) cis-1,3-Dichloropropene	7.48	75	73667	22.118	ug/l	94
55) 1,1,2-Trichloroethane	8.65	97	33400	21.163	ug/l	96
56) Ethyl methacrylate	8.77	69	28605	17.170	ug/l	94
57) 1,3-Dichloropropane	9.01	76	49919	20.940	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.46	63	46188	92.218	ug/l	100
59) 2-Hexanone	9.64	43	87076	99.820	ug/l	97
60) Dibromochloromethane	8.88	129	53661	20.789	ug/l	96
61) 1,2-Dibromoethane	9.15	107	38934	20.990	ug/l	97
64) Tetrachloroethene	8.33	164	63130	21.603	ug/l	96
65) Chlorobenzene	9.94	112	133263	22.375	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	66058	21.986	ug/l	99
67) Ethyl Benzene	10.04	91	240856	23.094	ug/l	100
68) m/p-Xylenes	10.27	106	179188	46.567	ug/l	100
69) o-Xylene	10.83	106	94311	22.682	ug/l	96
70) Styrene	10.90	104	138223	22.181	ug/l	99
71) Bromoform	10.89	173	32328	19.640	ug/l #	99
73) Isopropylbenzene	11.23	105	306471	21.663	ug/l	100
74) N-amyl acetate	11.46	43	60502	19.920	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	42421	19.151	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	33013	19.534	ug/l #	100
77) Bromobenzene	11.59	156	73466	19.787	ug/l	98
78) n-propylbenzene	11.68	91	321945	21.375	ug/l	100
79) 2-Chlorotoluene	11.81	91	197280	21.064	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	273692	22.072	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	11809m	18.590	ug/l	
82) 4-Chlorotoluene	11.98	91	194180	20.992	ug/l	100
83) tert-Butylbenzene	12.20	119	275848	21.167	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	257005	21.179	ug/l	98
85) sec-Butylbenzene	12.38	105	337745	21.293	ug/l	99
86) p-Isopropyltoluene	12.53	119	326183	22.133	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	143464	21.157	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	140365	21.447	ug/l	98
89) n-Butylbenzene	12.90	91	295062	22.504	ug/l	97
90) Hexachloroethane	12.98	117	73357	19.936	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	138508	21.103	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	8686	17.503	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	124262	21.107	ug/l	98
94) Hexachlorobutadiene	14.23	225	97591	22.241	ug/l	96
95) Naphthalene	14.50	128	164890	18.630	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	115817	20.307	ug/l	97

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

