

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050919\
 Data File : VF062399.D
 Acq On : 9 May 2019 16:50
 Operator : FY/SY
 Sample : VF0509SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0509SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 11:03:42 AM

Quant Time: May 10 02:23:33 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	5.04	168	308383	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.77	114	421399	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	371312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	229486	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	160457	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	
35) Dibromofluoromethane	4.30	113	182388	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
50) Toluene-d8	7.70	98	417626	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
62) 4-Bromofluorobenzene	11.49	95	194896	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	81094	22.722	ug/l	93
3) Chloromethane	1.15	50	47511	20.184	ug/l	99
4) Vinyl Chloride	1.19	62	50808	21.640	ug/l	98
5) Bromomethane	1.39	94	41359	21.937	ug/l	92
6) Chloroethane	1.43	64	26802	22.706	ug/l	95
7) Trichlorofluoromethane	1.56	101	109777	22.535	ug/l	97
8) Diethyl Ether	1.71	74	14038	19.045	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.89	101	64088	23.044	ug/l	98
10) Methyl Iodide	1.97	142	103869	22.663	ug/l	98
11) Tert butyl alcohol	2.68	59	15563	94.487	ug/l	97
12) 1,1-Dichloroethene	1.87	96	48992	20.721	ug/l	91
13) Acrolein	2.09	56	9962	83.813	ug/l	88
14) Allyl chloride	2.19	41	80515	38.551	ug/l	92
15) Acrylonitrile	3.08	53	32005	102.579	ug/l	93
16) Acetone	2.34	43	61016	103.496	ug/l	96
17) Carbon Disulfide	1.91	76	112580	21.838	ug/l	97
18) Methyl Acetate	2.46	43	22662	19.145	ug/l	98
19) Methyl tert-butyl Ether	2.55	73	102037	20.907	ug/l	99
20) Methylene Chloride	2.33	84	47484	22.262	ug/l	95
21) trans-1,2-Dichloroethene	2.42	96	46386	20.592	ug/l	98
22) Diisopropyl ether	2.93	45	141496	21.677	ug/l	98
23) Vinyl Acetate	3.33	43	280634	96.461	ug/l	100
24) 1,1-Dichloroethane	3.01	63	93503	23.701	ug/l	97
25) 2-Butanone	4.52	43	77444	104.560	ug/l	98
26) 2,2-Dichloropropane	3.76	77	54248	24.623	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	60454	21.469	ug/l	97
28) Bromochloromethane	3.89	49	33627	18.794	ug/l	97
29) Tetrahydrofuran	4.25	42	30583	89.842	ug/l	98
30) Chloroform	4.04	83	120141	22.541	ug/l	91
31) Cyclohexane	3.87	56	69770	22.157	ug/l	85
32) 1,1,1-Trichloroethane	4.28	97	107260	23.481	ug/l	97
36) 1,1-Dichloropropene	4.47	75	79776	22.038	ug/l	97
37) Ethyl Acetate	4.30	43	28070	16.369	ug/l #	100
38) Carbon Tetrachloride	4.17	117	96897m	24.382	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	76848	21.167	ug/l	96
40) Benzene	4.81	78	164281	20.609	ug/l	96
41) Methacrylonitrile	4.92	41	14307	16.483	ug/l #	87
42) 1,2-Dichloroethane	5.12	62	68995	20.695	ug/l	98
43) Isopropyl Acetate	7.11	43	31398	19.069	ug/l	94
44) Trichloroethene	5.67	130	65788	22.467	ug/l	100
45) 1,2-Dichloropropane	6.40	63	38572	21.363	ug/l	89
46) Dibromomethane	6.25	93	32860	21.950	ug/l	93
47) Bromodichloromethane	6.55	83	77612	20.736	ug/l	96
48) Methyl methacrylate	6.87	41	23131	19.879	ug/l	93
49) 1,4-Dioxane	6.85	88	4426	361.497	ug/l	93
51) 4-Methyl-2-Pentanone	8.39	43	119593	95.854	ug/l	98
52) Toluene	7.77	92	106661	21.689	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	56973	20.126	ug/l	92
54) cis-1,3-Dichloropropene	7.44	75	71683	21.758	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	32539	20.844	ug/l	97
56) Ethyl methacrylate	8.75	69	30200	18.326	ug/l	93
57) 1,3-Dichloropropane	8.98	76	49964	21.189	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.44	63	45128	91.088	ug/l	98
59) 2-Hexanone	9.61	43	87746	101.690	ug/l	96
60) Dibromochloromethane	8.85	129	52918	20.726	ug/l	97
61) 1,2-Dibromoethane	9.12	107	37141	20.243	ug/l	98
64) Tetrachloroethene	8.29	164	63042	20.913	ug/l	97
65) Chlorobenzene	9.92	112	134651	21.917	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.05	131	64061	20.670	ug/l	99
67) Ethyl Benzene	10.02	91	226255	21.031	ug/l	100
68) m/p-Xylenes	10.24	106	170021	42.834	ug/l	94
69) o-Xylene	10.81	106	93524	21.805	ug/l	91
70) Styrene	10.88	104	135524	21.083	ug/l	100
71) Bromoform	10.86	173	33065	19.474	ug/l #	98
73) Isopropylbenzene	11.21	105	283892	20.867	ug/l	100
74) N-amyl acetate	11.44	43	53976	18.480	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	42404	19.906	ug/l	96
76) 1,2,3-Trichloropropane	11.86	75	31414	19.329	ug/l #	100
77) Bromobenzene	11.57	156	72464	20.295	ug/l	99
78) n-propylbenzene	11.66	91	317840	21.944	ug/l	98
79) 2-Chlorotoluene	11.79	91	188599	20.940	ug/l	96
80) 1,3,5-Trimethylbenzene	11.89	105	256255	21.490	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.93	75	11981m	19.612	ug/l	
82) 4-Chlorotoluene	11.96	91	192023	21.586	ug/l	97
83) tert-Butylbenzene	12.19	119	265153	21.158	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	252762	21.660	ug/l	99
85) sec-Butylbenzene	12.36	105	330746	21.683	ug/l	98
86) p-Isopropyltoluene	12.51	119	312929	22.081	ug/l	99
87) 1,3-Dichlorobenzene	12.53	146	141295	21.668	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	131195	20.845	ug/l	99
89) n-Butylbenzene	12.89	91	286734	22.741	ug/l	97
90) Hexachloroethane	12.96	117	74166	20.959	ug/l	95
91) 1,2-Dichlorobenzene	12.98	146	139238	22.060	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	8400	17.602	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	116212	20.527	ug/l	99
94) Hexachlorobutadiene	14.22	225	89556	21.224	ug/l	98
95) Naphthalene	14.48	128	164758	19.357	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	115657	21.087	ug/l	99

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

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