

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062678.D
 Acq On : 21 May 2019 12:39
 Operator : FY/SY
 Sample : VF0521SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0521SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 4:20:58 PM

Quant Time: May 22 04:08:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	805531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1320363	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	959549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	457090	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	262179	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	
35) Dibromofluoromethane	4.31	113	489555	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	7.72	98	1086322	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	
62) 4-Bromofluorobenzene	11.49	95	373274	40.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	202380	18.462	ug/l	93
3) Chloromethane	1.14	50	192872	19.108	ug/l	90
4) Vinyl Chloride	1.18	62	189660	20.413	ug/l	95
5) Bromomethane	1.37	94	102022	20.072	ug/l	88
6) Chloroethane	1.43	64	63987	18.752	ug/l	99
7) Trichlorofluoromethane	1.55	101	262949	21.077	ug/l	93
8) Diethyl Ether	1.71	74	49152	19.888	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	162379	20.441	ug/l	97
10) Methyl Iodide	1.97	142	332376	21.300	ug/l	97
11) Tert butyl alcohol	2.70	59	40641	108.143	ug/l	99
12) 1,1-Dichloroethene	1.86	96	155990	21.557	ug/l	96
13) Acrolein	2.10	56	39598	100.940	ug/l	94
14) Allyl chloride	2.20	41	170935m	26.100	ug/l	
15) Acrylonitrile	3.09	53	109420	103.218	ug/l	99
16) Acetone	2.35	43	127387	86.261	ug/l #	86
17) Carbon Disulfide	1.90	76	448669	20.919	ug/l	95
18) Methyl Acetate	2.47	43	54161	23.339	ug/l	92
19) Methyl tert-butyl Ether	2.55	73	289325	22.366	ug/l	98
20) Methylene Chloride	2.29	84	157720	21.307	ug/l	89
21) trans-1,2-Dichloroethene	2.43	96	161585	22.846	ug/l	96
22) Diisopropyl ether	2.94	45	346438	21.447	ug/l	98
23) Vinyl Acetate	3.34	43	1155383	106.034	ug/l	99
24) 1,1-Dichloroethane	3.02	63	253788	21.417	ug/l	99
25) 2-Butanone	4.53	43	317669	100.685	ug/l	99
26) 2,2-Dichloropropane	3.78	77	180648	26.644	ug/l	91
27) cis-1,2-Dichloroethene	3.65	96	251282	21.598	ug/l	96
28) Bromochloromethane	3.90	49	128547	19.342	ug/l	98
29) Tetrahydrofuran	4.27	42	131315	102.850	ug/l	99
30) Chloroform	4.06	83	372606	22.648	ug/l	97
31) Cyclohexane	3.89	56	317122	19.931	ug/l	100
32) 1,1,1-Trichloroethane	4.29	97	252578	23.116	ug/l	98
36) 1,1-Dichloropropene	4.48	75	294051	21.734	ug/l	92
37) Ethyl Acetate	4.30	43	111142	20.119	ug/l	82
38) Carbon Tetrachloride	4.19	117	228989	22.504	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	343422	21.095	ug/l	97
40) Benzene	4.83	78	789372	21.416	ug/l	100
41) Methacrylonitrile	4.95	41	63325	21.865	ug/l #	80
42) 1,2-Dichloroethane	5.14	62	156746	21.326	ug/l	97
43) Isopropyl Acetate	7.12	43	135949	18.996	ug/l #	92
44) Trichloroethene	5.69	130	224355	21.658	ug/l	95
45) 1,2-Dichloropropane	6.41	63	194708	20.926	ug/l	93
46) Dibromomethane	6.27	93	116434	21.653	ug/l	94
47) Bromodichloromethane	6.56	83	236217	21.160	ug/l #	98
48) Methyl methacrylate	6.88	41	74897	20.022	ug/l	96
49) 1,4-Dioxane	6.87	88	17368	362.506	ug/l #	85
51) 4-Methyl-2-Pentanone	8.41	43	530414	108.426	ug/l	95
52) Toluene	7.79	92	406998	21.055	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	189147	20.711	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	271653	21.249	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	118450	20.696	ug/l	93
56) Ethyl methacrylate	8.76	69	141925	20.814	ug/l	95
57) 1,3-Dichloropropane	9.00	76	168395	17.274	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.45	63	207900	93.670	ug/l	97
59) 2-Hexanone	9.62	43	332943	93.446	ug/l	98
60) Dibromochloromethane	8.86	129	158512	21.250	ug/l	92
61) 1,2-Dibromoethane	9.14	107	125141	20.585	ug/l	90
64) Tetrachloroethene	8.31	164	174773	22.991	ug/l	97
65) Chlorobenzene	9.94	112	417333	22.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	178944	23.652	ug/l	91
67) Ethyl Benzene	10.04	91	776721	23.724	ug/l	97
68) m/p-Xylenes	10.26	106	575428	46.763	ug/l	88
69) o-Xylene	10.82	106	273113	21.548	ug/l	98
70) Styrene	10.89	104	406523	21.102	ug/l	98
71) Bromoform	10.88	173	80861	21.339	ug/l #	84
73) Isopropylbenzene	11.22	105	742907	22.677	ug/l	97
74) N-amyl acetate	11.45	43	196481	20.374	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	140771	21.026	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	93277	21.204	ug/l	89
77) Bromobenzene	11.58	156	173885	21.353	ug/l	94
78) n-propylbenzene	11.67	91	861226	22.213	ug/l	93
79) 2-Chlorotoluene	11.80	91	492029	22.519	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	581486	22.136	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	41409m	21.177	ug/l	
82) 4-Chlorotoluene	11.98	91	459591	21.330	ug/l	98
83) tert-Butylbenzene	12.19	119	624748	23.442	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	569814	22.412	ug/l	98
85) sec-Butylbenzene	12.37	105	792088	22.146	ug/l	95
86) p-Isopropyltoluene	12.52	119	687180	22.798	ug/l	96
87) 1,3-Dichlorobenzene	12.54	146	318172	21.596	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	303348	21.941	ug/l	96
89) n-Butylbenzene	12.89	91	712137	23.963	ug/l	88
90) Hexachloroethane	12.97	117	176192	24.367	ug/l	87
91) 1,2-Dichlorobenzene	13.00	146	300332	22.869	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	21555	26.988	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	213065	22.666	ug/l	95
94) Hexachlorobutadiene	14.23	225	156666	23.881	ug/l	91
95) Naphthalene	14.49	128	342289	20.043	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	196571	22.076	ug/l	98

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

