

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062635.D
 Acq On : 17 May 2019 13:13
 Operator : FY/SY
 Sample : VF0517SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 2:52:05 PM

Quant Time: May 18 01:56:56 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	5.07	168	794487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1309217	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	987494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	501649	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	272376	48.52	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	4.33	113	455064	45.42	ug/l	0.01
Spiked Amount	50.000		Recovery	=	90.84%	
50) Toluene-d8	7.73	98	1153902	48.24	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.48%	
62) 4-Bromofluorobenzene	11.50	95	424915	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	183210	16.945	ug/l	93
3) Chloromethane	1.15	50	188024	18.887	ug/l	92
4) Vinyl Chloride	1.19	62	178794	19.511	ug/l	94
5) Bromomethane	1.39	94	95141	18.978	ug/l	92
6) Chloroethane	1.45	64	61111	18.158	ug/l #	86
7) Trichlorofluoromethane	1.56	101	232102	18.863	ug/l	92
8) Diethyl Ether	1.72	74	51622	21.178	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.92	101	159150	20.313	ug/l	98
10) Methyl Iodide	1.99	142	304240	19.768	ug/l	97
11) Tert butyl alcohol	2.71	59	38894	104.933	ug/l #	88
12) 1,1-Dichloroethene	1.88	96	147047	20.603	ug/l	89
13) Acrolein	2.11	56	40113	103.675	ug/l	96
14) Allyl chloride	2.21	41	145819	22.574	ug/l	98
15) Acrylonitrile	3.10	53	107473	102.790	ug/l	100
16) Acetone	2.36	43	142042	97.522	ug/l #	89
17) Carbon Disulfide	1.93	76	426146m	20.145	ug/l	
18) Methyl Acetate	2.48	43	52249	22.828	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	273546	21.440	ug/l	100
20) Methylene Chloride	2.35	84	141762m	19.418	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	143336	20.547	ug/l	96
22) Diisopropyl ether	2.95	45	343017	21.531	ug/l	96
23) Vinyl Acetate	3.36	43	1213663	112.931	ug/l	100
24) 1,1-Dichloroethane	3.03	63	251458	21.515	ug/l	97
25) 2-Butanone	4.55	43	319946	102.816	ug/l	93
26) 2,2-Dichloropropane	3.80	77	152869	22.860	ug/l	84
27) cis-1,2-Dichloroethene	3.66	96	244428	21.301	ug/l	97
28) Bromochloromethane	3.91	49	128922	19.668	ug/l	98
29) Tetrahydrofuran	4.29	42	139928	111.120	ug/l	98
30) Chloroform	4.07	83	341730	21.060	ug/l	96
31) Cyclohexane	3.89	56	325217	20.724	ug/l	97
32) 1,1,1-Trichloroethane	4.31	97	237645	22.052	ug/l	97
36) 1,1-Dichloropropene	4.49	75	303714	22.639	ug/l	96
37) Ethyl Acetate	4.32	43	118974	21.720	ug/l #	80
38) Carbon Tetrachloride	4.20	117	200673	19.889	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	380000	23.541	ug/l	93
40) Benzene	4.84	78	813180	22.250	ug/l	100
41) Methacrylonitrile	4.95	41	60577	21.094	ug/l	94
42) 1,2-Dichloroethane	5.15	62	156611	21.489	ug/l	92
43) Isopropyl Acetate	7.13	43	129002	18.179	ug/l #	98
44) Trichloroethene	5.70	130	226026	22.005	ug/l	99
45) 1,2-Dichloropropane	6.42	63	194312	21.062	ug/l	97
46) Dibromomethane	6.27	93	119526	22.417	ug/l	98
47) Bromodichloromethane	6.57	83	234480	21.184	ug/l	98
48) Methyl methacrylate	6.89	41	81324	21.925	ug/l	94
49) 1,4-Dioxane	6.89	88	23671	498.269	ug/l #	82
51) 4-Methyl-2-Pentanone	8.42	43	535910	110.482	ug/l	93
52) Toluene	7.79	92	436150	22.755	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	193752	21.395	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	284253	22.424	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	124322	21.907	ug/l	92
56) Ethyl methacrylate	8.77	69	235797	34.875	ug/l	91
57) 1,3-Dichloropropane	9.01	76	205564	21.266	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.46	63	246761	112.125	ug/l	99
59) 2-Hexanone	9.63	43	342263	97.585	ug/l	96
60) Dibromochloromethane	8.87	129	156423	21.148	ug/l	95
61) 1,2-Dibromoethane	9.14	107	139949	23.217	ug/l	94
64) Tetrachloroethene	8.32	164	171225	21.887	ug/l	97
65) Chlorobenzene	9.95	112	439669	22.669	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	174437	22.403	ug/l	99
67) Ethyl Benzene	10.05	91	758657	22.516	ug/l	96
68) m/p-Xylenes	10.27	106	569965	45.008	ug/l	83
69) o-Xylene	10.82	106	297805	22.831	ug/l	85
70) Styrene	10.90	104	452117	22.805	ug/l	97
71) Bromoform	10.88	173	87975	22.560	ug/l #	98
73) Isopropylbenzene	11.22	105	882682	24.550	ug/l	95
74) N-amyl acetate	11.46	43	227130	21.783	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	205161	27.922	ug/l	85
76) 1,2,3-Trichloropropane	11.88	75	100651	20.848	ug/l	99
77) Bromobenzene	11.59	156	202599	22.670	ug/l	87
78) n-propylbenzene	11.68	91	1091880	25.661	ug/l	96
79) 2-Chlorotoluene	11.80	91	559685	23.340	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	624750	21.670	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	41725m	19.443	ug/l	
82) 4-Chlorotoluene	11.98	91	484553	20.491	ug/l	93
83) tert-Butylbenzene	12.20	119	678650	23.202	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	625348	22.411	ug/l	92
85) sec-Butylbenzene	12.37	105	1050930	26.773	ug/l	99
86) p-Isopropyltoluene	12.53	119	732524	22.144	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	338739	20.950	ug/l	94
88) 1,4-Dichlorobenzene	12.64	146	315297	20.780	ug/l	94
89) n-Butylbenzene	12.90	91	824009	25.264	ug/l	94
90) Hexachloroethane	12.98	117	166648	21.000	ug/l	88
91) 1,2-Dichlorobenzene	13.00	146	318037	22.066	ug/l	88
92) 1,2-Dibromo-3-Chloropropan	13.69	75	17788	20.293	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	169981	16.476	ug/l	93
94) Hexachlorobutadiene	14.23	225	112883	15.679	ug/l	97
95) Naphthalene	14.50	128	903195	48.190	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.65	180	168904	17.284	ug/l	94

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

