

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062702.D
 Acq On : 22 May 2019 13:34
 Operator : FY/SY
 Sample : VF0522SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0522SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 12:16:42 PM

Quant Time: May 23 01:56:20 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	5.05	168	701820	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1164837	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	879067	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.60	152	445325	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	231705	46.72	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.44%	
35) Dibromofluoromethane	4.30	113	465042	52.17	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	104.34%	
50) Toluene-d8	7.70	98	1016105	47.75	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	95.50%	
62) 4-Bromofluorobenzene	11.49	95	356350	44.15	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	88.30%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	182112	19.068	ug/l	100
3) Chloromethane	1.14	50	164358	18.689	ug/l	100
4) Vinyl Chloride	1.19	62	160582	19.837	ug/l	97
5) Bromomethane	1.38	94	86412	19.513	ug/l	88
6) Chloroethane	1.43	64	52639	17.706	ug/l	99
7) Trichlorofluoromethane	1.55	101	237196	21.823	ug/l	96
8) Diethyl Ether	1.71	74	48052	22.316	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	151840	21.939	ug/l	96
10) Methyl Iodide	1.98	142	290270	21.350	ug/l	95
11) Tert butyl alcohol	2.70	59	31781	97.064	ug/l #	91
12) 1,1-Dichloroethene	1.87	96	133443	21.166	ug/l	95
13) Acrolein	2.10	56	30429	89.030	ug/l	87
14) Allyl chloride	2.19	41	128324m	22.489	ug/l	
15) Acrylonitrile	3.08	53	101627	110.033	ug/l	95
16) Acetone	2.34	43	108325	84.193	ug/l	99
17) Carbon Disulfide	1.91	76	394164m	21.093	ug/l	
18) Methyl Acetate	2.46	43	46105	22.803	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	234851	20.838	ug/l	97
20) Methylene Chloride	2.28	84	166964m	25.889	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	129519	21.018	ug/l	98
22) Diisopropyl ether	2.93	45	290504	20.642	ug/l	96
23) Vinyl Acetate	3.35	43	972548	102.444	ug/l	99
24) 1,1-Dichloroethane	3.01	63	230537	22.330	ug/l	99
25) 2-Butanone	4.52	43	267186	97.198	ug/l	97
26) 2,2-Dichloropropane	3.77	77	154513	26.157	ug/l	95
27) cis-1,2-Dichloroethene	3.64	96	226135	22.309	ug/l	95
28) Bromochloromethane	3.90	49	118082	20.393	ug/l	95
29) Tetrahydrofuran	4.26	42	107780	96.892	ug/l	99
30) Chloroform	4.05	83	332840	23.220	ug/l	93
31) Cyclohexane	3.87	56	284808	20.545	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	208174	21.868	ug/l	96
36) 1,1-Dichloropropene	4.47	75	249068	20.867	ug/l	99
37) Ethyl Acetate	4.30	43	90963	18.665	ug/l	93
38) Carbon Tetrachloride	4.17	117	200434	22.328	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	295282	20.560	ug/l	97
40) Benzene	4.81	78	689121	21.193	ug/l	98
41) Methacrylonitrile	4.92	41	52280	20.462	ug/l #	90
42) 1,2-Dichloroethane	5.12	62	134864	20.798	ug/l	98
43) Isopropyl Acetate	7.11	43	106920	16.934	ug/l	91
44) Trichloroethene	5.68	130	194016	21.229	ug/l	98
45) 1,2-Dichloropropane	6.40	63	167593	20.417	ug/l	98
46) Dibromomethane	6.25	93	101075	21.306	ug/l	98
47) Bromodichloromethane	6.55	83	207109	21.030	ug/l	99
48) Methyl methacrylate	6.86	41	58501	17.727	ug/l	92
49) 1,4-Dioxane	6.86	88	14279	337.825	ug/l #	79
51) 4-Methyl-2-Pentanone	8.39	43	412332	95.542	ug/l	95
52) Toluene	7.77	92	362666	21.267	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	162115	20.121	ug/l	92
54) cis-1,3-Dichloropropene	7.46	75	233263	20.682	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	103577	20.513	ug/l	98
56) Ethyl methacrylate	8.75	69	103314	17.174	ug/l	92
57) 1,3-Dichloropropane	8.98	76	172473	20.054	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.45	63	174211	88.971	ug/l	99
59) 2-Hexanone	9.62	43	271114	84.775	ug/l	97
60) Dibromochloromethane	8.86	129	133228	20.245	ug/l	89
61) 1,2-Dibromoethane	9.12	107	109131	20.349	ug/l	94
64) Tetrachloroethene	8.29	164	142018	20.393	ug/l	97
65) Chlorobenzene	9.92	112	353528	20.476	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	146066	21.073	ug/l	97
67) Ethyl Benzene	10.02	91	603707	20.127	ug/l	96
68) m/p-Xylenes	10.25	106	487269	43.224	ug/l	82
69) o-Xylene	10.81	106	257532	22.179	ug/l	95
70) Styrene	10.89	104	370724	21.006	ug/l	98
71) Bromoform	10.87	173	73359	21.132	ug/l #	97
73) Isopropylbenzene	11.21	105	708046	22.184	ug/l	97
74) N-amyl acetate	11.44	43	160763	16.142	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.76	83	139042	21.317	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	87572	20.433	ug/l	99
77) Bromobenzene	11.58	156	152949	19.279	ug/l	90
78) n-propylbenzene	11.67	91	773836	20.486	ug/l	92
79) 2-Chlorotoluene	11.79	91	446804	20.989	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	564618	22.062	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.93	75	37006m	19.425	ug/l	
82) 4-Chlorotoluene	11.96	91	449892	21.431	ug/l	91
83) tert-Butylbenzene	12.19	119	589539	22.705	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	556847	22.480	ug/l	97
85) sec-Butylbenzene	12.37	105	793046	22.759	ug/l	98
86) p-Isopropyltoluene	12.51	119	638764	21.752	ug/l	96
87) 1,3-Dichlorobenzene	12.53	146	307176	21.401	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	295963	21.972	ug/l	97
89) n-Butylbenzene	12.89	91	653945	22.586	ug/l	89
90) Hexachloroethane	12.97	117	156382	22.199	ug/l	91
91) 1,2-Dichlorobenzene	12.99	146	280130	21.894	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.68	75	17031	21.887	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	183171	20.000	ug/l	96
94) Hexachlorobutadiene	14.22	225	126487	19.790	ug/l	96
95) Naphthalene	14.48	128	276273	16.605	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	163293	18.824	ug/l	97

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

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