

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060719\
 Data File : VF062896.D
 Acq On : 7 Jun 2019 13:28
 Operator : FY/SY
 Sample : VF0607SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0607SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 12:25:34 PM

Quant Time: Jun 08 00:52:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	775189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1304849	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	1037946	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	519901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	262284	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
35) Dibromofluoromethane	4.32	113	488394	49.53	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	7.72	98	1204804	48.32	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	11.50	95	469948	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	221305	22.897	ug/l	95
3) Chloromethane	1.15	50	197537	24.628	ug/l	91
4) Vinyl Chloride	1.19	62	184901	23.198	ug/l	96
5) Bromomethane	1.40	94	96192	21.161	ug/l	90
6) Chloroethane	1.45	64	59894	20.098	ug/l	96
7) Trichlorofluoromethane	1.57	101	272259m	24.128	ug/l	
8) Diethyl Ether	1.71	74	49736	22.403	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.92	101	146682	20.676	ug/l	95
10) Methyl Iodide	1.99	142	312691	21.983	ug/l	96
11) Tert butyl alcohol	2.71	59	38195	117.620	ug/l #	94
12) 1,1-Dichloroethene	1.88	96	138236	21.459	ug/l	92
13) Acrolein	2.11	56	12416m	90.487	ug/l	
14) Allyl chloride	2.21	41	114928	22.997	ug/l #	87
15) Acrylonitrile	3.09	53	104861	85.937	ug/l #	90
16) Acetone	2.36	43	130446	106.322	ug/l	95
17) Carbon Disulfide	1.93	76	399489	21.218	ug/l	99
18) Methyl Acetate	2.46	43	50853	23.719	ug/l #	86
19) Methyl tert-butyl Ether	2.55	73	262148	22.462	ug/l	98
20) Methylene Chloride	2.36	84	168930m	26.067	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	138837	21.495	ug/l	91
22) Diisopropyl ether	2.95	45	326333	22.984	ug/l	92
23) Vinyl Acetate	3.35	43	1167116	120.069	ug/l	99
24) 1,1-Dichloroethane	3.02	63	245433	23.151	ug/l	98
25) 2-Butanone	4.53	43	307080	107.477	ug/l	100
26) 2,2-Dichloropropane	3.78	77	151891	25.234	ug/l	91
27) cis-1,2-Dichloroethene	3.66	96	248590	22.897	ug/l	91
28) Bromochloromethane	3.91	49	125003	21.677	ug/l	91
29) Tetrahydrofuran	4.28	42	128782	117.848	ug/l	98
30) Chloroform	4.06	83	343628	22.999	ug/l	98
31) Cyclohexane	3.88	56	295836	20.612	ug/l	97
32) 1,1,1-Trichloroethane	4.30	97	224875	25.850	ug/l	97
36) 1,1-Dichloropropene	4.48	75	272470	22.683	ug/l	97
37) Ethyl Acetate	4.32	43	107724	23.460	ug/l	95
38) Carbon Tetrachloride	4.19	117	185865	22.894	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	320039	21.407	ug/l	98
40) Benzene	4.83	78	784626	22.443	ug/l	95
41) Methacrylonitrile	4.95	41	57386	22.480	ug/l	94
42) 1,2-Dichloroethane	5.14	62	150722	22.668	ug/l	90
43) Isopropyl Acetate	7.13	43	129931	21.420	ug/l #	99
44) Trichloroethene	5.69	130	213554	21.644	ug/l	98
45) 1,2-Dichloropropane	6.42	63	202229	23.051	ug/l	98
46) Dibromomethane	6.27	93	118726	23.179	ug/l	91
47) Bromodichloromethane	6.56	83	229225	21.974	ug/l	97
48) Methyl methacrylate	6.88	41	68645	21.958	ug/l	85
49) 1,4-Dioxane	6.88	88	18085	438.888	ug/l #	77
51) 4-Methyl-2-Pentanone	8.41	43	544539	125.739	ug/l	94
52) Toluene	7.79	92	414517	22.014	ug/l	87
53) t-1,3-Dichloropropene	8.43	75	215916	24.978	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	266534	21.301	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	127236	22.618	ug/l	94
56) Ethyl methacrylate	8.76	69	134208	22.235	ug/l	95
57) 1,3-Dichloropropane	9.00	76	224518	24.440	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.46	63	220238	104.403	ug/l	96
59) 2-Hexanone	9.63	43	400023	129.592	ug/l	99
60) Dibromochloromethane	8.87	129	154043	22.118	ug/l	98
61) 1,2-Dibromoethane	9.14	107	138563	23.717	ug/l	98
64) Tetrachloroethene	8.31	164	175434	21.995	ug/l	95
65) Chlorobenzene	9.94	112	462072	23.052	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.06	131	175226	21.950	ug/l	99
67) Ethyl Benzene	10.03	91	803487	23.359	ug/l	97
68) m/p-Xylenes	10.26	106	584897	44.437	ug/l	83
69) o-Xylene	10.82	106	286030	21.463	ug/l	96
70) Styrene	10.89	104	435077	22.150	ug/l	97
71) Bromoform	10.88	173	81544	21.294	ug/l #	95
73) Isopropylbenzene	11.22	105	791629	21.822	ug/l	94
74) N-amyl acetate	11.45	43	215984	21.125	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	177843	22.957	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	112951	21.996	ug/l	92
77) Bromobenzene	11.58	156	190032	20.849	ug/l	84
78) n-propylbenzene	11.67	91	1002743	22.893	ug/l	89
79) 2-Chlorotoluene	11.80	91	544482	21.725	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	646641	21.797	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	48545m	22.329	ug/l	
82) 4-Chlorotoluene	11.98	91	551119	22.375	ug/l	95
83) tert-Butylbenzene	12.20	119	648663	22.066	ug/l	91
84) 1,2,4-Trimethylbenzene	12.27	105	628977	22.361	ug/l	94
85) sec-Butylbenzene	12.37	105	872869	22.535	ug/l	96
86) p-Isopropyltoluene	12.52	119	719515	22.317	ug/l	92
87) 1,3-Dichlorobenzene	12.54	146	353153	21.969	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	322801	21.517	ug/l	97
89) n-Butylbenzene	12.90	91	751296	23.165	ug/l	91
90) Hexachloroethane	12.98	117	168911	21.480	ug/l	98
91) 1,2-Dichlorobenzene	13.00	146	297183	21.033	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	18845	22.328	ug/l	85

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93) 1,2,4-Trichlorobenzene	14.24	180	211621	21.814	ug/l	92
94) Hexachlorobutadiene	14.23	225	135429	20.179	ug/l	99
95) Naphthalene	14.50	128	318681	20.051	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	182288	20.585	ug/l	99

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

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