

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052419\
 Data File : VF062742.D
 Acq On : 24 May 2019 12:50
 Operator : FY/SY
 Sample : VF0524SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0524SBSD01

Quant Time: May 24 23:32:49 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	702326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1314734	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	902634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	441661	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	199908	40.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.56%	
35) Dibromofluoromethane	4.32	113	398890	39.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.30%	
50) Toluene-d8	7.72	98	923442	38.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.88%	
62) 4-Bromofluorobenzene	11.50	95	330023	36.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	177824	18.606	ug/l	99
3) Chloromethane	1.14	50	147859	16.801	ug/l	95
4) Vinyl Chloride	1.18	62	145994	18.022	ug/l	95
5) Bromomethane	1.39	94	81870	18.474	ug/l	99
6) Chloroethane	1.45	64	54006	18.152	ug/l	90
7) Trichlorofluoromethane	1.55	101	214965	19.763	ug/l	98
8) Diethyl Ether	1.71	74	38545	17.888	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.91	101	139959	20.208	ug/l	99
10) Methyl Iodide	1.99	142	275813	20.272	ug/l	98
11) Tert butyl alcohol	2.70	59	31911	97.391	ug/l #	84
12) 1,1-Dichloroethene	1.87	96	127128	20.150	ug/l	98
13) Acrolein	2.10	56	27817	81.329	ug/l	92
14) Allyl chloride	2.20	41	103681	18.157	ug/l	95
15) Acrylonitrile	3.09	53	86941	94.064	ug/l	92
16) Acetone	2.35	43	104635	81.266	ug/l	94
17) Carbon Disulfide	1.91	76	344469	18.421	ug/l #	93
18) Methyl Acetate	2.47	43	39934	19.737	ug/l	95
19) Methyl tert-butyl Ether	2.55	73	224701	19.923	ug/l	96
20) Methylene Chloride	2.34	84	138413m	21.447	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	134287	21.776	ug/l	96
22) Diisopropyl ether	2.95	45	285061	20.241	ug/l	99
23) Vinyl Acetate	3.35	43	945742	99.548	ug/l	100
24) 1,1-Dichloroethane	3.02	63	211512	20.472	ug/l	99
25) 2-Butanone	4.54	43	299765	108.971	ug/l	97
26) 2,2-Dichloropropane	3.79	77	120679	20.415	ug/l	89
27) cis-1,2-Dichloroethene	3.66	96	213755	21.073	ug/l	94
28) Bromochloromethane	3.91	49	107902	18.622	ug/l	94
29) Tetrahydrofuran	4.28	42	107617	96.675	ug/l	99
30) Chloroform	4.05	83	308316	21.494	ug/l	93
31) Cyclohexane	3.88	56	279683	20.161	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	193519	20.314	ug/l	98
36) 1,1-Dichloropropene	4.48	75	233699	17.347	ug/l	96
37) Ethyl Acetate	4.32	43	86550	15.735	ug/l #	78
38) Carbon Tetrachloride	4.19	117	163977	16.184	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.64	83	292131	18.021	ug/l	94
40) Benzene	4.83	78	702955	19.153	ug/l	100
41) Methacrylonitrile	4.94	41	54471	18.888	ug/l	90
42) 1,2-Dichloroethane	5.14	62	127435	17.412	ug/l	95
43) Isopropyl Acetate	7.13	43	112492	15.786	ug/l #	88
44) Trichloroethene	5.69	130	195629	18.965	ug/l	100
45) 1,2-Dichloropropane	6.42	63	174900	18.878	ug/l	99
46) Dibromomethane	6.27	93	98593	18.414	ug/l	99
47) Bromodichloromethane	6.56	83	207659	18.682	ug/l #	97
48) Methyl methacrylate	6.88	41	56121	15.067	ug/l	87
49) 1,4-Dioxane	6.89	88	15048	315.428	ug/l	97
51) 4-Methyl-2-Pentanone	8.41	43	405918	83.332	ug/l	95
52) Toluene	7.79	92	349586	18.162	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	166977	18.361	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	231001	18.146	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	104414	18.321	ug/l	97
56) Ethyl methacrylate	8.76	69	104253	15.355	ug/l	97
57) 1,3-Dichloropropane	9.00	76	174285	17.954	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	190917	86.386	ug/l	98
59) 2-Hexanone	9.63	43	299245	82.479	ug/l	97
60) Dibromochloromethane	8.87	129	133776	18.011	ug/l	98
61) 1,2-Dibromoethane	9.14	107	110883	18.318	ug/l	98
64) Tetrachloroethene	8.31	164	144293	20.178	ug/l	93
65) Chlorobenzene	9.94	112	363176	20.485	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	148102	20.809	ug/l	95
67) Ethyl Benzene	10.04	91	646591	20.994	ug/l	93
68) m/p-Xylenes	10.26	106	463046	40.003	ug/l	81
69) o-Xylene	10.82	106	240616	20.181	ug/l	100
70) Styrene	10.89	104	352520	19.453	ug/l	96
71) Bromoform	10.88	173	71361	20.020	ug/l #	92
73) Isopropylbenzene	11.22	105	636287	20.101	ug/l	94
74) N-amyl acetate	11.46	43	181771	19.250	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	125841	19.453	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	82092	19.313	ug/l	81
77) Bromobenzene	11.58	156	154466	19.631	ug/l	96
78) n-propylbenzene	11.67	91	766082	20.449	ug/l	90
79) 2-Chlorotoluene	11.80	91	428290	20.286	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	544921	21.469	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.95	75	40231m	21.293	ug/l	
82) 4-Chlorotoluene	11.98	91	449144	21.573	ug/l	96
83) tert-Butylbenzene	12.20	119	548182	21.287	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	528162	21.499	ug/l	93
85) sec-Butylbenzene	12.37	105	714691	20.680	ug/l	94
86) p-Isopropyltoluene	12.52	119	618817	21.247	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	304837	21.414	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	272548	20.402	ug/l	99
89) n-Butylbenzene	12.90	91	629666	21.928	ug/l	93
90) Hexachloroethane	12.97	117	146446	20.961	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	256320	20.200	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	15535	20.130	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	178611	19.664	ug/l	96
94) Hexachlorobutadiene	14.23	225	124078	19.574	ug/l	95
95) Naphthalene	14.50	128	281089	17.034	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	162512	18.889	ug/l	99

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

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