

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042619\
 Data File : VF062306.D
 Acq On : 26 Apr 2019 15:35
 Operator : FY/SY
 Sample : VF0426SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/29/2019 3:59:43 PM

Quant Time: Apr 27 01:04:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	396879	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.80	114	546196	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.94	117	397629	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	237725	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	181915	56.59	ug/l	0.02
Spiked Amount	50.000		Recovery	=	113.18%	
35) Dibromofluoromethane	4.33	113	212608	52.50	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	7.75	98	497960	50.34	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	11.52	95	213885	52.46	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	107653	22.825	ug/l	95
3) Chloromethane	1.15	50	75892	19.101	ug/l	98
4) Vinyl Chloride	1.20	62	72058	19.149	ug/l	99
5) Bromomethane	1.39	94	53219	20.825	ug/l	97
6) Chloroethane	1.45	64	33715	20.438	ug/l	99
7) Trichlorofluoromethane	1.56	101	128759	21.533	ug/l	97
8) Diethyl Ether	1.72	74	21179	19.551	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.92	101	84905	22.626	ug/l	97
10) Methyl Iodide	1.99	142	134682	20.533	ug/l	94
11) Tert butyl alcohol	2.73	59	22177	114.041	ug/l	97
12) 1,1-Dichloroethene	1.88	96	67437	20.141	ug/l	90
13) Acrolein	2.12	56	18865	108.307	ug/l	95
14) Allyl chloride	2.22	41	76056	20.872	ug/l #	12
15) Acrylonitrile	3.11	53	50019	92.867	ug/l #	90
16) Acetone	2.37	43	79515	110.472	ug/l	92
17) Carbon Disulfide	1.93	76	170099	19.303	ug/l	99
18) Methyl Acetate	2.48	43	30467	21.029	ug/l #	91
19) Methyl tert-butyl Ether	2.57	73	140129	21.953	ug/l	94
20) Methylene Chloride	2.35	84	71301	20.040	ug/l	92
21) trans-1,2-Dichloroethene	2.44	96	71321	21.554	ug/l	98
22) Diisopropyl ether	2.95	45	202074	20.599	ug/l	97
23) Vinyl Acetate	3.37	43	460723	105.912	ug/l	99
24) 1,1-Dichloroethane	3.03	63	123451	22.049	ug/l	99
25) 2-Butanone	4.56	43	112496	98.570	ug/l	98
26) 2,2-Dichloropropane	3.80	77	64168	22.069	ug/l	98
27) cis-1,2-Dichloroethene	3.67	96	83482	19.923	ug/l	97
28) Bromochloromethane	3.93	49	46628	19.762	ug/l #	98
29) Tetrahydrofuran	4.30	42	50419	100.541	ug/l	95
30) Chloroform	4.08	83	149939	21.327	ug/l	99
31) Cyclohexane	3.91	56	103118	19.355	ug/l	97
32) 1,1,1-Trichloroethane	4.31	97	131276	23.782	ug/l #	84
36) 1,1-Dichloropropene	4.50	75	109414	21.713	ug/l	98
37) Ethyl Acetate	4.34	43	47405	22.361	ug/l #	79
38) Carbon Tetrachloride	4.22	117	120932m	23.607	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.67	83	121666	20.683	ug/l	98
40) Benzene	4.86	78	250255	20.555	ug/l	97
41) Methacrylonitrile	4.97	41	24620	20.905	ug/l #	64
42) 1,2-Dichloroethane	5.16	62	90985	23.590	ug/l	99
43) Isopropyl Acetate	7.14	43	47255	21.633	ug/l #	97
44) Trichloroethene	5.71	130	90323	21.928	ug/l	98
45) 1,2-Dichloropropane	6.43	63	57872	21.083	ug/l	100
46) Dibromomethane	6.30	93	44153	22.276	ug/l	97
47) Bromodichloromethane	6.58	83	106715	22.902	ug/l	92
48) Methyl methacrylate	6.91	41	30292	19.503	ug/l	97
49) 1,4-Dioxane	6.91	88	6201	346.723	ug/l #	83
51) 4-Methyl-2-Pentanone	8.44	43	168505	100.880	ug/l	97
52) Toluene	7.80	92	138837	19.763	ug/l	96
53) t-1,3-Dichloropropene	8.45	75	76232	22.248	ug/l	95
54) cis-1,3-Dichloropropene	7.49	75	93720	21.351	ug/l	98
55) 1,1,2-Trichloroethane	8.66	97	43190	21.646	ug/l	97
56) Ethyl methacrylate	8.79	69	44250	20.187	ug/l	92
57) 1,3-Dichloropropane	9.03	76	65627	20.920	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.48	63	70071	105.054	ug/l	95
59) 2-Hexanone	9.65	43	118003	107.654	ug/l	97
60) Dibromochloromethane	8.89	129	70543	21.784	ug/l	99
61) 1,2-Dibromoethane	9.16	107	49174	21.294	ug/l	97
64) Tetrachloroethene	8.34	164	73046	21.963	ug/l	98
65) Chlorobenzene	9.96	112	154700	21.290	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.09	131	75724	22.125	ug/l	97
67) Ethyl Benzene	10.06	91	283691	22.458	ug/l	95
68) m/p-Xylenes	10.29	106	212334	45.147	ug/l	93
69) o-Xylene	10.84	106	109327	20.807	ug/l	94
70) Styrene	10.91	104	165457	21.783	ug/l	98
71) Bromoform	10.90	173	43228	22.438	ug/l #	97
73) Isopropylbenzene	11.23	105	335277	20.585	ug/l	98
74) N-amyl acetate	11.47	43	71550	19.066	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	53359	20.620	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	38598	21.023	ug/l #	100
77) Bromobenzene	11.60	156	86593	21.267	ug/l	99
78) n-propylbenzene	11.69	91	357971	20.887	ug/l	98
79) 2-Chlorotoluene	11.82	91	225012	21.797	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	288067	20.950	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	18063m	22.010	ug/l	
82) 4-Chlorotoluene	11.99	91	218604	21.401	ug/l	98
83) tert-Butylbenzene	12.22	119	300891	21.323	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	285392	21.431	ug/l	97
85) sec-Butylbenzene	12.39	105	371372	21.130	ug/l	99
86) p-Isopropyltoluene	12.54	119	347213	22.035	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	161204	22.378	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	148745	21.778	ug/l	99
89) n-Butylbenzene	12.92	91	306490	21.406	ug/l	96
90) Hexachloroethane	12.99	117	87135	22.060	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	147918	21.392	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10381	19.886	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	138123	22.737	ug/l	98
94) Hexachlorobutadiene	14.25	225	98549	22.558	ug/l	99
95) Naphthalene	14.51	128	195087	20.729	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	130590	22.730	ug/l	99

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

