

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082218\
 Data File : VF060035.D
 Acq On : 22 Aug 2018 12:58
 Operator : VA/AP
 Sample : VF0822SBSD01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0822SBSD01

Quant Time: Aug 23 04:24:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	211470	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	326510	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	352759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.65	152	214285	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	142810	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
35) Dibromofluoromethane	4.32	113	134745	52.55	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	7.73	98	372635	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
62) 4-Bromofluorobenzene	11.52	95	198131	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	60368	21.68	ug/l	95
3) Chloromethane	1.07	50	48671	25.09	ug/l	99
4) Vinyl Chloride	1.12	62	39076	22.61	ug/l	96
5) Bromomethane	1.32	94	29229	22.25	ug/l	96
6) Chloroethane	1.40	64	14668	21.53	ug/l	100
7) Trichlorofluoromethane	1.49	101	78013	22.44	ug/l	97
8) Diethyl Ether	1.72	74	14385	23.15	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.87	101	40203	22.03	ug/l	91
10) Methyl Iodide	1.94	142	58474	24.24	ug/l	97
11) Tert butyl alcohol	2.70	59	16315	105.96	ug/l #	93
12) 1,1-Dichloroethene	1.83	96	30000	22.32	ug/l	97
13) Acrolein	2.10	56	5853	81.99	ug/l	90
14) Allyl chloride	2.20	41	55621	23.30	ug/l	96
15) Acrylonitrile	3.10	53	33329	109.69	ug/l	88
16) Acetone	2.36	43	85365	112.22	ug/l	98
17) Carbon Disulfide	1.85	76	98022	23.29	ug/l	100
18) Methyl Acetate	2.46	43	30390	21.00	ug/l #	91
19) Methyl tert-butyl Ether	2.55	73	92599	21.50	ug/l	95
20) Methylene Chloride	2.29	84	41184	24.92	ug/l	95
21) trans-1,2-Dichloroethene	2.43	96	31401	20.88	ug/l	90
22) Diisopropyl ether	2.95	45	109657	20.51	ug/l	98
23) Vinyl Acetate	3.35	43	344876	121.77	ug/l	98
24) 1,1-Dichloroethane	3.02	63	70821	21.44	ug/l	99
25) 2-Butanone	4.53	43	114475	115.86	ug/l	96
26) 2,2-Dichloropropane	3.79	77	78123	22.86	ug/l	93
27) cis-1,2-Dichloroethene	3.66	96	50883	23.87	ug/l	90
28) Bromochloromethane	3.91	49	31589	22.66	ug/l	96
29) Tetrahydrofuran	4.28	42	41428	111.05	ug/l	98
30) Chloroform	4.06	83	101037	21.80	ug/l	100
31) Cyclohexane	3.87	56	59721	23.73	ug/l	89
32) 1,1,1-Trichloroethane	4.30	97	87853	22.13	ug/l	96
36) 1,1-Dichloropropene	4.48	75	71494	23.30	ug/l	98
37) Ethyl Acetate	4.31	43	38995	21.25	ug/l	94
38) Carbon Tetrachloride	4.19	117	81252	22.87	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	65156	22.65	ug/l	90
40) Benzene	4.83	78	155811	23.25	ug/l	95
41) Methacrylonitrile	4.94	41	18589	20.03	ug/l #	91
42) 1,2-Dichloroethane	5.14	62	75254	20.94	ug/l	98
43) Isopropyl Acetate	7.13	43	50433	21.84	ug/l #	94
44) Trichloroethene	5.70	130	51460	23.22	ug/l	99
45) 1,2-Dichloropropane	6.43	63	43548	22.97	ug/l	100
46) Dibromomethane	6.27	93	33677	22.70	ug/l	93
47) Bromodichloromethane	6.58	83	77964	21.76	ug/l #	92
48) Methyl methacrylate	6.89	41	33065	21.63	ug/l	94
49) 1,4-Dioxane	6.90	88	7009	477.73	ug/l	96
51) 4-Methyl-2-Pentanone	8.43	43	225272	112.95	ug/l	97
52) Toluene	7.80	92	113663	23.79	ug/l	93
53) t-1,3-Dichloropropene	8.45	75	74643	22.97	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	84723	23.36	ug/l	95
55) 1,1,2-Trichloroethane	8.66	97	41198	22.78	ug/l	97
56) Ethyl methacrylate	8.78	69	49026	22.40	ug/l	91
57) 1,3-Dichloropropane	9.02	76	69988	22.02	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.80	63	18966	109.15	ug/l	100
59) 2-Hexanone	9.65	43	192377	119.17	ug/l	97
60) Dibromochloromethane	8.88	129	58910	22.07	ug/l	100
61) 1,2-Dibromoethane	9.16	107	46063	21.69	ug/l	98
64) Tetrachloroethene	8.33	164	51585	21.71	ug/l	97
65) Chlorobenzene	9.97	112	147996	22.22	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.09	131	54177	21.44	ug/l	97
67) Ethyl Benzene	10.06	91	258789	22.52	ug/l	99
68) m/p-Xylenes	10.29	106	193833	46.50	ug/l	98
69) o-Xylene	10.84	106	102752	22.82	ug/l	94
70) Styrene	10.92	104	157209	22.76	ug/l	98
71) Bromoform	10.90	173	37242	21.13	ug/l	97
73) Isopropylbenzene	11.25	105	292193	22.65	ug/l	98
74) N-amyl acetate	11.47	43	87658	21.86	ug/l	98
75) 1,1,1,2-Tetrachloroethane	11.80	83	60918	21.63	ug/l	98
76) 1,2,3-Trichloropropane	11.90	75	47132	21.58	ug/l	99
77) Bromobenzene	11.61	156	74803	21.32	ug/l	97
78) n-propylbenzene	11.70	91	352963	22.17	ug/l	99
79) 2-Chlorotoluene	11.83	91	209170	22.34	ug/l	100
80) 1,3,5-Trimethylbenzene	11.93	105	257427	22.91	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	27943	27.96	ug/l	95
82) 4-Chlorotoluene	12.01	91	225421	22.18	ug/l	99
83) tert-Butylbenzene	12.23	119	253358	23.12	ug/l	99
84) 1,2,4-Trimethylbenzene	12.30	105	267244	22.37	ug/l	98
85) sec-Butylbenzene	12.40	105	342165	22.42	ug/l	98
86) p-Isopropyltoluene	12.55	119	288114	22.76	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	145778	22.48	ug/l	98
88) 1,4-Dichlorobenzene	12.66	146	138923	21.55	ug/l	99
89) n-Butylbenzene	12.93	91	282600	22.98	ug/l	97
90) Hexachloroethane	13.01	117	60826	21.38	ug/l	93
91) 1,2-Dichlorobenzene	13.03	146	136789	21.93	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.73	75	10522	18.28	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	102963	22.42	ug/l	97
94) Hexachlorobutadiene	14.27	225	61836	21.63	ug/l	95
95) Naphthalene	14.54	128	149341	20.17	ug/l	100
96) 1,2,3-Trichlorobenzene	14.69	180	96689	22.06	ug/l	95

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

