

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072518\
 Data File : VF059664.D
 Acq On : 25 Jul 2018 18:12
 Operator : VA/AP
 Sample : VF0725SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0725SBS01

Quant Time: Jul 26 03:44:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	190015	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.76	114	247457	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	213080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	124749	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	95685	36.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.28%	
35) Dibromofluoromethane	4.28	113	103665	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
50) Toluene-d8	7.70	98	267064	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
62) 4-Bromofluorobenzene	11.51	95	121720	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	51526	23.16	ug/l	99
3) Chloromethane	1.08	50	30970	27.14	ug/l	96
4) Vinyl Chloride	1.14	62	32708	26.63	ug/l	100
5) Bromomethane	1.32	94	24399	26.04	ug/l	98
6) Chloroethane	1.40	64	19160	25.94	ug/l	100
7) Trichlorofluoromethane	1.49	101	84413	25.32	ug/l	96
8) Diethyl Ether	1.70	74	8416	18.13	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.89	101	43543	25.38	ug/l	97
10) Methyl Iodide	1.93	142	64013	23.32	ug/l	96
11) Tert butyl alcohol	2.67	59	6339	64.29	ug/l #	83
12) 1,1-Dichloroethene	1.83	96	34426	26.84	ug/l	98
13) Acrolein	1.96	56	106	2.19	ug/l	99
14) Allyl chloride	2.18	41	55465	24.61	ug/l	88
15) Acrylonitrile	3.07	53	12489	73.59	ug/l	95
16) Acetone	2.33	43	26560	63.74	ug/l	98
17) Carbon Disulfide	1.84	76	101465	31.45	ug/l	98
18) Methyl Acetate	2.45	43	8717	11.07	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	57230	16.70	ug/l #	91
20) Methylene Chloride	2.28	84	26215	20.46	ug/l	82
21) trans-1,2-Dichloroethene	2.41	96	32297	23.66	ug/l	94
22) Diisopropyl ether	2.92	45	84131	19.46	ug/l	96
23) Vinyl Acetate	3.32	43	147316	73.88	ug/l	98
24) 1,1-Dichloroethane	2.99	63	65109	21.17	ug/l	98
25) 2-Butanone	4.50	43	43023	86.52	ug/l	98
26) 2,2-Dichloropropane	3.76	77	72097	30.54	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	33809	20.23	ug/l	97
28) Bromochloromethane	3.89	49	20317	17.44	ug/l	97
29) Tetrahydrofuran	4.26	42	13184	56.17	ug/l	97
30) Chloroform	4.03	83	80263	18.82	ug/l	98
31) Cyclohexane	3.85	56	51279	28.65	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	91121	25.06	ug/l	96
36) 1,1-Dichloropropene	4.45	75	66864	26.37	ug/l	95
37) Ethyl Acetate	4.28	43	13652	12.31	ug/l #	27
38) Carbon Tetrachloride	4.16	117	90143	25.76	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	58266	28.34	ug/l	95
40) Benzene	4.80	78	115476	24.62	ug/l	97
41) Methacrylonitrile	4.92	41	8031	16.93	ug/l #	83
42) 1,2-Dichloroethane	5.11	62	44016	15.84	ug/l	98
43) Isopropyl Acetate	7.11	43	14136	12.68	ug/l #	97
44) Trichloroethene	5.66	130	44355	25.62	ug/l	92
45) 1,2-Dichloropropane	6.39	63	22033	18.56	ug/l	98
46) Dibromomethane	6.24	93	15371	15.33	ug/l	86
47) Bromodichloromethane	6.55	83	53099	18.11	ug/l	92
48) Methyl methacrylate	6.86	41	9841	11.99	ug/l	92
49) 1,4-Dioxane	6.87	88	1994	315.68	ug/l #	82
51) 4-Methyl-2-Pentanone	8.40	43	53157	64.86	ug/l	93
52) Toluene	7.77	92	75326	22.90	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	36273	15.52	ug/l	90
54) cis-1,3-Dichloropropene	7.45	75	44993	18.21	ug/l	89
55) 1,1,2-Trichloroethane	8.63	97	16386	15.67	ug/l #	83
56) Ethyl methacrylate	8.76	69	13602	12.17	ug/l	93
57) 1,3-Dichloropropane	8.99	76	29086	16.25	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.77	63	15856	110.51	ug/l	100
59) 2-Hexanone	9.63	43	43348	69.26	ug/l	92
60) Dibromochloromethane	8.86	129	31215	16.15	ug/l	90
61) 1,2-Dibromoethane	9.14	107	19050	14.92	ug/l	82
64) Tetrachloroethene	8.30	164	42405	25.11	ug/l	93
65) Chlorobenzene	9.94	112	87512	22.17	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	39743	21.72	ug/l	95
67) Ethyl Benzene	10.04	91	177624	25.04	ug/l	98
68) m/p-Xylenes	10.26	106	121087	47.77	ug/l	96
69) o-Xylene	10.83	106	64023	23.73	ug/l	91
70) Styrene	10.90	104	83821	21.51	ug/l	96
71) Bromoform	10.89	173	16667	16.18	ug/l	98
73) Isopropylbenzene	11.23	105	228110	29.09	ug/l	99
74) N-amyl acetate	11.46	43	28219	16.79	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	20619	17.37	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	18039	18.39	ug/l	91
77) Bromobenzene	11.60	156	41275	21.52	ug/l	92
78) n-propylbenzene	11.68	91	269298	28.86	ug/l	97
79) 2-Chlorotoluene	11.81	91	144310	25.69	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	198588	28.51	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	12329	20.42	ug/l	89
82) 4-Chlorotoluene	11.99	91	144426	24.10	ug/l	97
83) tert-Butylbenzene	12.22	119	202744	28.87	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	187550	26.23	ug/l	98
85) sec-Butylbenzene	12.38	105	290890	31.07	ug/l	98
86) p-Isopropyltoluene	12.54	119	237540	29.14	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	90343	24.05	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	84159	22.63	ug/l	97
89) n-Butylbenzene	12.92	91	226890	29.83	ug/l	95
90) Hexachloroethane	12.99	117	54494	27.41	ug/l #	1
91) 1,2-Dichlorobenzene	13.02	146	80380	22.43	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	4513	14.74	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	59165	19.80	ug/l	97
94) Hexachlorobutadiene	14.26	225	57802	27.92	ug/l	94
95) Naphthalene	14.52	128	71530	16.11	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	49282	19.46	ug/l	94

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

