

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070618\
 Data File : VF059451.D
 Acq On : 6 Jul 2018 16:00
 Operator : VA/AP
 Sample : VF0706SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0706SBS01

Manual Integrations
 APPROVED

apatel
 7/9/2018 12:22:19 PM

Quant Time: Jul 09 11:15:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	250158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	385658	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	392523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	238542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	155526	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
35) Dibromofluoromethane	4.27	113	141873	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
50) Toluene-d8	7.68	98	310758	44.54	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	89.08%	
62) 4-Bromofluorobenzene	11.49	95	191797	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	53018	23.20	ug/l	90
3) Chloromethane	1.07	50	29030	18.91	ug/l	97
4) Vinyl Chloride	1.14	62	32842	21.73	ug/l	93
5) Bromomethane	1.33	94	20758	21.80	ug/l	91
6) Chloroethane	1.42	64	16935	22.25	ug/l #	87
7) Trichlorofluoromethane	1.48	101	63110m	21.12	ug/l	
8) Diethyl Ether	1.70	74	16077	20.98	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.88	101	39162	22.45	ug/l	86
10) Methyl Iodide	1.95	142	71198	22.38	ug/l	99
11) Tert butyl alcohol	2.67	59	23244m	108.03	ug/l	
12) 1,1-Dichloroethene	1.84	96	34985	23.72	ug/l	87
13) Acrolein	2.08	56	9005	74.17	ug/l	90
14) Allyl chloride	2.17	41	62436	22.55	ug/l	88
15) Acrylonitrile	3.06	53	39233	103.54	ug/l	95
16) Acetone	2.33	43	102583	121.86	ug/l	99
17) Carbon Disulfide	1.86	76	70688	20.38	ug/l	99
18) Methyl Acetate	2.43	43	36953	24.74	ug/l	97
19) Methyl tert-butyl Ether	2.52	73	124707	22.67	ug/l	97
20) Methylene Chloride	2.27	84	43896m	19.75	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	35483	22.55	ug/l	93
22) Diisopropyl ether	2.91	45	143934	23.48	ug/l	96
23) Vinyl Acetate	3.31	43	471016	120.64	ug/l	99
24) 1,1-Dichloroethane	2.99	63	92278	24.28	ug/l	98
25) 2-Butanone	4.50	43	119383	120.68	ug/l	100
26) 2,2-Dichloropropane	3.74	77	61621	23.50	ug/l	99
27) cis-1,2-Dichloroethene	3.61	96	50129	20.99	ug/l	97
28) Bromochloromethane	3.86	49	41235	26.23	ug/l	92
29) Tetrahydrofuran	4.24	42	47245	108.64	ug/l	98
30) Chloroform	4.01	83	131058	23.82	ug/l	98
31) Cyclohexane	3.84	56	50687	20.36	ug/l	93
32) 1,1,1-Trichloroethane	4.25	97	95688	23.76	ug/l	99
36) 1,1-Dichloropropene	4.44	75	74896	22.23	ug/l	97
37) Ethyl Acetate	4.26	43	56424	25.45	ug/l #	77
38) Carbon Tetrachloride	4.14	117	103010	24.23	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	62780	21.03	ug/l #	88
40) Benzene	4.78	78	160456	21.48	ug/l	93
41) Methacrylonitrile	4.90	41	27607	24.02	ug/l #	90
42) 1,2-Dichloroethane	5.10	62	99300	22.75	ug/l	95
43) Isopropyl Acetate	7.09	43	58252	20.76	ug/l	92
44) Trichloroethene	5.65	130	55780	21.77	ug/l	97
45) 1,2-Dichloropropane	6.38	63	46409	21.75	ug/l	92
46) Dibromomethane	6.23	93	41459	22.38	ug/l	94
47) Bromodichloromethane	6.53	83	103636	23.11	ug/l	94
48) Methyl methacrylate	6.85	41	38340	20.38	ug/l	97
49) 1,4-Dioxane	6.84	88	4623	436.71	ug/l #	65
51) 4-Methyl-2-Pentanone	8.38	43	231719	111.46	ug/l	97
52) Toluene	7.76	92	117627	21.04	ug/l	98
53) t-1,3-Dichloropropene	8.40	75	94094	23.02	ug/l	98
54) cis-1,3-Dichloropropene	7.43	75	96454	21.73	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	47525	21.90	ug/l	92
56) Ethyl methacrylate	8.73	69	53900	20.05	ug/l	89
57) 1,3-Dichloropropane	8.98	76	78981	21.22	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.76	63	23712	117.60	ug/l	100
59) 2-Hexanone	9.61	43	196732	116.97	ug/l	97
60) Dibromochloromethane	8.84	129	78088	23.31	ug/l	93
61) 1,2-Dibromoethane	9.11	107	56713	21.55	ug/l	98
64) Tetrachloroethene	8.28	164	57377	22.54	ug/l	95
65) Chlorobenzene	9.92	112	156142	21.47	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.04	131	71825	22.83	ug/l	88
67) Ethyl Benzene	10.02	91	277280	22.47	ug/l	94
68) m/p-Xylenes	10.24	106	197585	44.99	ug/l	86
69) o-Xylene	10.81	106	107086	21.80	ug/l	96
70) Styrene	10.88	104	165463	22.11	ug/l	98
71) Bromoform	10.87	173	48531	22.51	ug/l	99
73) Isopropylbenzene	11.21	105	330721	23.80	ug/l	98
74) N-amyl acetate	11.44	43	112402	22.29	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	76860	21.90	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	60430	22.83	ug/l	94
77) Bromobenzene	11.58	156	88525	22.96	ug/l	82
78) n-propylbenzene	11.67	91	378416	22.67	ug/l	97
79) 2-Chlorotoluene	11.80	91	227156	22.28	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	283696	23.30	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	34898	22.15	ug/l	97
82) 4-Chlorotoluene	11.98	91	252073	23.08	ug/l	93
83) tert-Butylbenzene	12.20	119	294728	24.21	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	296347	23.11	ug/l	98
85) sec-Butylbenzene	12.37	105	365765	22.66	ug/l	98
86) p-Isopropyltoluene	12.53	119	318336	23.50	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	163856	23.28	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	157721	22.91	ug/l	95
89) n-Butylbenzene	12.90	91	333626	24.27	ug/l	98
90) Hexachloroethane	12.98	117	80223	23.77	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	164989	23.57	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	17611	22.64	ug/l	66

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93) 1,2,4-Trichlorobenzene	14.25	180	123872	23.93	ug/l	98
94) Hexachlorobutadiene	14.24	225	70267	24.31	ug/l	93
95) Naphthalene	14.51	128	259714	23.98	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	124153	25.32	ug/l	98

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

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