

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059522.D
 Acq On : 18 Jul 2018 19:54
 Operator : VA/AP
 Sample : VF0718SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0718SBS01

Manual Integrations
 APPROVED

apatel
 7/19/2018 10:18:25 AM

Quant Time: Jul 19 05:15:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	268067	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.74	114	384466	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.90	117	391920	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	240382	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	223163	53.53	ug/l	-0.03
Spiked Amount 50.000			Recovery =	107.06%		
35) Dibromofluoromethane	4.28	113	175889	52.82	ug/l	-0.03
Spiked Amount 50.000			Recovery =	105.64%		
50) Toluene-d8	7.70	98	403902	48.16	ug/l	-0.03
Spiked Amount 50.000			Recovery =	96.32%		
62) 4-Bromofluorobenzene	11.50	95	221272	50.29	ug/l	-0.02
Spiked Amount 50.000			Recovery =	100.58%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	70250	21.39	ug/l	98
3) Chloromethane	1.08	50	33669	18.63	ug/l	# 87
4) Vinyl Chloride	1.14	62	41427	22.72	ug/l	96
5) Bromomethane	1.34	94	26063	20.62	ug/l	89
6) Chloroethane	1.42	64	19058	20.73	ug/l	92
7) Trichlorofluoromethane	1.52	101	84601	18.96	ug/l	94
8) Diethyl Ether	1.69	74	18645	21.71	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.89	101	44584	23.66	ug/l	89
10) Methyl Iodide	1.96	142	83762	25.39	ug/l	99
11) Tert butyl alcohol	2.69	59	23183	124.96	ug/l	# 78
12) 1,1-Dichloroethene	1.85	96	44594	22.25	ug/l	96
13) Acrolein	2.08	56	11693	133.09	ug/l	99
14) Allyl chloride	2.18	41	66217	26.47	ug/l	85
15) Acrylonitrile	3.06	53	41383	118.31	ug/l	91
16) Acetone	2.33	43	90696	132.72	ug/l	97
17) Carbon Disulfide	1.86	76	110616	21.54	ug/l	95
18) Methyl Acetate	2.44	43	27433m	19.71	ug/l	
19) Methyl tert-butyl Ether	2.53	73	136071	21.64	ug/l	95
20) Methylene Chloride	2.30	84	49050	23.66	ug/l	# 80
21) trans-1,2-Dichloroethene	2.40	96	42135	22.74	ug/l	100
22) Diisopropyl ether	2.92	45	153771	21.88	ug/l	94
23) Vinyl Acetate	3.32	43	487050	118.57	ug/l	97
24) 1,1-Dichloroethane	2.98	63	98773	22.75	ug/l	99
25) 2-Butanone	4.49	43	106881	110.42	ug/l	99
26) 2,2-Dichloropropane	3.74	77	69034	24.04	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	58662	27.20	ug/l	97
28) Bromochloromethane	3.86	49	39705	20.78	ug/l	# 90
29) Tetrahydrofuran	4.25	42	48594	111.52	ug/l	99
30) Chloroform	4.02	83	141408	22.55	ug/l	99
31) Cyclohexane	3.85	56	58770	26.14	ug/l	96
32) 1,1,1-Trichloroethane	4.26	97	104393	25.62	ug/l	96
36) 1,1-Dichloropropene	4.44	75	86520	22.48	ug/l	97
37) Ethyl Acetate	4.28	43	53258	22.54	ug/l	# 36
38) Carbon Tetrachloride	4.15	117	117985m	26.75	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	77553	26.55	ug/l	90
40) Benzene	4.79	78	175215	23.47	ug/l	97
41) Methacrylonitrile	4.91	41	21455	19.44	ug/l #	76
42) 1,2-Dichloroethane	5.10	62	113143	23.07	ug/l	100
43) Isopropyl Acetate	7.09	43	60255	21.79	ug/l	93
44) Trichloroethene	5.66	130	66972	24.23	ug/l	96
45) 1,2-Dichloropropane	6.38	63	47578	22.96	ug/l	95
46) Dibromomethane	6.24	93	45404	24.06	ug/l	90
47) Bromodichloromethane	6.53	83	109954	22.64	ug/l	95
48) Methyl methacrylate	6.86	41	47367	23.98	ug/l	90
49) 1,4-Dioxane	6.85	88	5511	580.37	ug/l #	87
51) 4-Methyl-2-Pentanone	8.39	43	221663	113.08	ug/l	95
52) Toluene	7.76	92	127332	23.52	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	101637	22.75	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	101724	22.86	ug/l	99
55) 1,1,2-Trichloroethane	8.62	97	49002	23.36	ug/l	91
56) Ethyl methacrylate	8.74	69	57194	21.98	ug/l	93
57) 1,3-Dichloropropane	8.99	76	84250	22.71	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.76	63	26893	117.08	ug/l	100
59) 2-Hexanone	9.62	43	170775	115.28	ug/l	95
60) Dibromochloromethane	8.85	129	83587	23.64	ug/l	100
61) 1,2-Dibromoethane	9.12	107	59597	22.89	ug/l	89
64) Tetrachloroethene	8.29	164	62685	21.48	ug/l	89
65) Chlorobenzene	9.92	112	166680	22.68	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.05	131	75366	22.51	ug/l	92
67) Ethyl Benzene	10.02	91	296692	22.68	ug/l	96
68) m/p-Xylenes	10.25	106	217200	47.04	ug/l	96
69) o-Xylene	10.82	106	111789	22.73	ug/l	96
70) Styrene	10.89	104	170408	22.55	ug/l	98
71) Bromoform	10.88	173	51930	22.33	ug/l	98
73) Isopropylbenzene	11.21	105	335522	22.12	ug/l	100
74) N-amyl acetate	11.45	43	97651	20.10	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	70016	21.16	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	59223	21.92	ug/l	89
77) Bromobenzene	11.59	156	91536	21.53	ug/l	98
78) n-propylbenzene	11.68	91	389635	22.39	ug/l	96
79) 2-Chlorotoluene	11.81	91	241109	22.50	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	292959	23.05	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	25128m	20.36	ug/l	
82) 4-Chlorotoluene	11.98	91	265242	22.09	ug/l	92
83) tert-Butylbenzene	12.21	119	283597	23.25	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	292373	22.36	ug/l	97
85) sec-Butylbenzene	12.38	105	360935	23.27	ug/l	97
86) p-Isopropyltoluene	12.53	119	336054	24.90	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	168282	23.07	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	161915	22.53	ug/l	97
89) n-Butylbenzene	12.91	91	293312	23.22	ug/l	96
90) Hexachloroethane	12.99	117	75396	24.59	ug/l	87
91) 1,2-Dichlorobenzene	13.01	146	158897	22.78	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	16799	22.41	ug/l	94

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93) 1,2,4-Trichlorobenzene	14.26	180	102757	24.24	ug/l	96
94) Hexachlorobutadiene	14.25	225	57186	26.33	ug/l	97
95) Naphthalene	14.52	128	198693	22.56	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	90566	23.65	ug/l	98

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

