

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081718\
 Data File : VF059986.D
 Acq On : 17 Aug 2018 22:13
 Operator : VA/AP
 Sample : VF0817SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0817SBS01

Manual Integrations
 APPROVED

apatel
 8/20/2018 11:49:05 AM

Quant Time: Aug 18 01:31:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	132820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	183670	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	197993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	133601	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	124632	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	4.30	113	91773	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
50) Toluene-d8	7.72	98	205439	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	11.51	95	124573	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	46962	20.85	ug/l	98
3) Chloromethane	1.08	50	26809	24.51	ug/l #	80
4) Vinyl Chloride	1.12	62	32213	23.95	ug/l	91
5) Bromomethane	1.32	94	26114	21.29	ug/l	98
6) Chloroethane	1.39	64	13874	19.86	ug/l	96
7) Trichlorofluoromethane	1.48	101	74070	19.18	ug/l	98
8) Diethyl Ether	1.71	74	12585	22.09	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.86	101	36881	20.37	ug/l	96
10) Methyl Iodide	1.93	142	53076	23.24	ug/l	98
11) Tert butyl alcohol	2.70	59	15642	104.69	ug/l #	85
12) 1,1-Dichloroethene	1.82	96	26524	21.25	ug/l	84
13) Acrolein	2.09	56	5729	80.44	ug/l	91
14) Allyl chloride	2.19	41	44912	21.20	ug/l	89
15) Acrylonitrile	3.09	53	28131	116.44	ug/l	98
16) Acetone	2.35	43	76281	100.69	ug/l	99
17) Carbon Disulfide	1.84	76	88371	22.27	ug/l	98
18) Methyl Acetate	2.46	43	31969	22.71	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	85779	20.88	ug/l	97
20) Methylene Chloride	2.29	84	38413	24.97	ug/l	93
21) trans-1,2-Dichloroethene	2.42	96	27255	20.34	ug/l	97
22) Diisopropyl ether	2.93	45	94168	20.79	ug/l	98
23) Vinyl Acetate	3.34	43	200137	109.72	ug/l #	97
24) 1,1-Dichloroethane	3.01	63	60679	20.42	ug/l	99
25) 2-Butanone	4.53	43	68853	111.09	ug/l	97
26) 2,2-Dichloropropane	3.78	77	49228	18.70	ug/l	95
27) cis-1,2-Dichloroethene	3.64	96	25846	21.09	ug/l	96
28) Bromochloromethane	3.89	49	19434	22.80	ug/l #	81
29) Tetrahydrofuran	4.27	42	25325	114.49	ug/l	98
30) Chloroform	4.04	83	73134	21.29	ug/l	98
31) Cyclohexane	3.86	56	30528	22.44	ug/l #	92
32) 1,1,1-Trichloroethane	4.28	97	68659	20.48	ug/l	98
36) 1,1-Dichloropropene	4.47	75	42822	20.47	ug/l	95
37) Ethyl Acetate	4.30	43	30138	26.06	ug/l	82
38) Carbon Tetrachloride	4.17	117	63095	21.03	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	32771	20.88	ug/l	89
40) Benzene	4.82	78	78694	22.23	ug/l	94
41) Methacrylonitrile	4.93	41	12411	22.42	ug/l #	84
42) 1,2-Dichloroethane	5.13	62	62275	20.74	ug/l	99
43) Isopropyl Acetate	7.12	43	28040	22.03	ug/l #	89
44) Trichloroethene	5.69	130	30164	21.83	ug/l	98
45) 1,2-Dichloropropane	6.41	63	21825	21.55	ug/l	92
46) Dibromomethane	6.26	93	22278	22.30	ug/l #	85
47) Bromodichloromethane	6.56	83	56748	21.04	ug/l	95
48) Methyl methacrylate	6.88	41	21242	22.42	ug/l	92
49) 1,4-Dioxane	6.88	88	3454	449.00	ug/l #	86
51) 4-Methyl-2-Pentanone	8.42	43	136725	115.01	ug/l	98
52) Toluene	7.79	92	56852	21.45	ug/l	88
53) t-1,3-Dichloropropene	8.44	75	45374	19.95	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	44778	20.39	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	22516	21.18	ug/l	97
56) Ethyl methacrylate	8.77	69	28083	22.80	ug/l	94
57) 1,3-Dichloropropane	9.01	76	41141	21.71	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.79	63	13309	128.83	ug/l	100
59) 2-Hexanone	9.64	43	110293	112.36	ug/l	100
60) Dibromochloromethane	8.87	129	41511	21.37	ug/l	99
61) 1,2-Dibromoethane	9.15	107	29779	22.45	ug/l	91
64) Tetrachloroethene	8.32	164	32409	21.48	ug/l	88
65) Chlorobenzene	9.96	112	82165	21.03	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.08	131	38636	21.49	ug/l	92
67) Ethyl Benzene	10.05	91	150497	21.21	ug/l	97
68) m/p-Xylenes	10.28	106	102624	41.75	ug/l	98
69) o-Xylene	10.84	106	53928	21.40	ug/l	91
70) Styrene	10.91	104	84762	20.99	ug/l	97
71) Bromoform	10.90	173	28131	21.16	ug/l	99
73) Isopropylbenzene	11.24	105	172810	21.58	ug/l	99
74) N-amyl acetate	11.47	43	49776	21.90	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	34726	22.08	ug/l	91
76) 1,2,3-Trichloropropane	11.89	75	30127	21.63	ug/l	96
77) Bromobenzene	11.60	156	46440	20.79	ug/l	99
78) n-propylbenzene	11.69	91	207295	20.85	ug/l	97
79) 2-Chlorotoluene	11.82	91	124617	20.63	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	151368	20.90	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.97	75	12284m	20.89	ug/l	
82) 4-Chlorotoluene	12.00	91	141937	21.47	ug/l	98
83) tert-Butylbenzene	12.22	119	149728	21.04	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	160178	21.01	ug/l	99
85) sec-Butylbenzene	12.39	105	194144	20.64	ug/l	96
86) p-Isopropyltoluene	12.55	119	175612	21.11	ug/l	96
87) 1,3-Dichlorobenzene	12.57	146	90067	21.12	ug/l	96
88) 1,4-Dichlorobenzene	12.66	146	88496	21.20	ug/l	98
89) n-Butylbenzene	12.92	91	169155	21.05	ug/l	96
90) Hexachloroethane	13.00	117	39796	21.24	ug/l	100
91) 1,2-Dichlorobenzene	13.03	146	89183	21.85	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.72	75	9194	21.14	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	70088	21.05	ug/l	95
94) Hexachlorobutadiene	14.26	225	47241	21.18	ug/l	91
95) Naphthalene	14.53	128	94449	20.15	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	67157	20.91	ug/l	99

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

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