

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080318\
 Data File : VF059840.D
 Acq On : 3 Aug 2018 15:53
 Operator : VA/AP
 Sample : VF0803SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0803SBS01

Manual Integrations
 APPROVED

apatel
 8/6/2018 10:07:49 AM

Quant Time: Aug 03 16:21:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	199186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	289115	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	280142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	178917	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	179189	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	4.29	113	148558	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
50) Toluene-d8	7.70	98	348362	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	11.50	95	188575	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	58114	22.90	ug/l	93
3) Chloromethane	1.08	50	32179	25.40	ug/l #	87
4) Vinyl Chloride	1.15	62	31857	23.88	ug/l	92
5) Bromomethane	1.33	94	25125	22.47	ug/l	99
6) Chloroethane	1.41	64	18120	21.66	ug/l	90
7) Trichlorofluoromethane	1.53	101	69018m	18.55	ug/l	
8) Diethyl Ether	1.71	74	13178	20.72	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.90	101	39977	20.52	ug/l	92
10) Methyl Iodide	1.96	142	68833	23.05	ug/l	95
11) Tert butyl alcohol	2.70	59	15584	107.13	ug/l	96
12) 1,1-Dichloroethene	1.85	96	34774	22.54	ug/l	90
13) Acrolein	2.09	56	5035	78.38	ug/l	97
14) Allyl chloride	2.19	41	55535	22.55	ug/l	82
15) Acrylonitrile	3.07	53	29859	129.12	ug/l	90
16) Acetone	2.34	43	66601	103.43	ug/l	98
17) Carbon Disulfide	1.88	76	82795	23.29	ug/l	95
18) Methyl Acetate	2.45	43	36914m	35.49	ug/l	
19) Methyl tert-butyl Ether	2.53	73	96448	20.50	ug/l	96
20) Methylene Chloride	2.31	84	35191m	20.94	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	31815	22.14	ug/l	83
22) Diisopropyl ether	2.93	45	115627	22.20	ug/l #	98
23) Vinyl Acetate	3.33	43	277318	103.57	ug/l	97
24) 1,1-Dichloroethane	3.00	63	78226	21.62	ug/l	98
25) 2-Butanone	4.50	43	73829	102.74	ug/l #	83
26) 2,2-Dichloropropane	3.75	77	51904	20.12	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	41506	21.42	ug/l	99
28) Bromochloromethane	3.88	49	30513	21.61	ug/l #	79
29) Tetrahydrofuran	4.25	42	32598	118.03	ug/l	98
30) Chloroform	4.03	83	108759	21.30	ug/l	98
31) Cyclohexane	3.86	56	44137	22.94	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	84240	21.27	ug/l	97
36) 1,1-Dichloropropene	4.45	75	67195	20.64	ug/l	97
37) Ethyl Acetate	4.30	43	34236	21.04	ug/l #	82
38) Carbon Tetrachloride	4.17	117	95925	20.87	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	52829	21.17	ug/l	96
40) Benzene	4.80	78	127417	21.82	ug/l	98
41) Methacrylonitrile	4.92	41	16306	20.76	ug/l	91
42) 1,2-Dichloroethane	5.12	62	83815	20.51	ug/l	99
43) Isopropyl Acetate	7.11	43	33914	19.62	ug/l #	91
44) Trichloroethene	5.67	130	47646	21.31	ug/l	76
45) 1,2-Dichloropropane	6.40	63	33899	21.99	ug/l	97
46) Dibromomethane	6.25	93	29422	20.10	ug/l #	82
47) Bromodichloromethane	6.55	83	79812	20.02	ug/l	97
48) Methyl methacrylate	6.87	41	26211	20.16	ug/l	87
49) 1,4-Dioxane	6.86	88	3703	419.90	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	136040	103.45	ug/l	97
52) Toluene	7.77	92	92768	22.41	ug/l	93
53) t-1,3-Dichloropropene	8.42	75	71924	20.79	ug/l	90
54) cis-1,3-Dichloropropene	7.45	75	72539	21.65	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	32154	20.33	ug/l	93
56) Ethyl methacrylate	8.75	69	32724	19.84	ug/l	92
57) 1,3-Dichloropropane	8.99	76	56116	20.69	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	17957	94.31	ug/l	100
59) 2-Hexanone	9.62	43	104560	99.22	ug/l	90
60) Dibromochloromethane	8.86	129	55538	19.90	ug/l	96
61) 1,2-Dibromoethane	9.13	107	39474	21.38	ug/l	97
64) Tetrachloroethene	8.30	164	48292	23.16	ug/l	92
65) Chlorobenzene	9.94	112	123184	21.98	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	57131	21.84	ug/l	98
67) Ethyl Benzene	10.03	91	218741	22.56	ug/l	98
68) m/p-Xylenes	10.26	106	147742	44.38	ug/l	99
69) o-Xylene	10.82	106	78762	22.05	ug/l	97
70) Styrene	10.89	104	119039	21.99	ug/l	99
71) Bromoform	10.88	173	36219	21.24	ug/l	95
73) Isopropylbenzene	11.23	105	252801	21.53	ug/l	99
74) N-amyl acetate	11.45	43	60533	20.44	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	48070	21.75	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	35169	18.72	ug/l	95
77) Bromobenzene	11.59	156	64326	20.98	ug/l	91
78) n-propylbenzene	11.68	91	304198	22.53	ug/l	99
79) 2-Chlorotoluene	11.81	91	178097	20.97	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	229253	21.90	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	14875m	19.11	ug/l	
82) 4-Chlorotoluene	11.99	91	194581	21.79	ug/l	96
83) tert-Butylbenzene	12.21	119	229303	21.76	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	230823	21.88	ug/l	98
85) sec-Butylbenzene	12.38	105	299233	21.93	ug/l	94
86) p-Isopropyltoluene	12.54	119	267681	22.53	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	128165	22.38	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	121079	21.57	ug/l	98
89) n-Butylbenzene	12.91	91	256683	22.74	ug/l	97
90) Hexachloroethane	12.99	117	63385	21.41	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	122376	22.60	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10286	19.04	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	91400	20.64	µg/l	96
94) Hexachlorobutadiene	14.25	225	64209	21.88	µg/l	92
95) Naphthalene	14.52	128	167230	21.68	µg/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	89138	20.91	µg/l	99

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

