

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059751.D
 Acq On : 1 Aug 2018 13:20
 Operator : VA/AP
 Sample : VF0801SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS01

Manual Integrations
 APPROVED

apatel
 8/2/2018 10:25:49 AM

Quant Time: Aug 02 05:25:42 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	5.03	168	168011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	237845	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	230177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	161320	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	162128	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
35) Dibromofluoromethane	4.29	113	132779	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
50) Toluene-d8	7.71	98	271038	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
62) 4-Bromofluorobenzene	11.51	95	159859	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	58399	28.49	ug/l	98
3) Chloromethane	1.08	50	24603	22.51	ug/l	94
4) Vinyl Chloride	1.15	62	26411	23.40	ug/l #	86
5) Bromomethane	1.34	94	24616	26.84	ug/l	93
6) Chloroethane	1.42	64	19573	29.07	ug/l	95
7) Trichlorofluoromethane	1.54	101	80584m	25.68	ug/l	
8) Diethyl Ether	1.70	74	12904	24.05	ug/l	62
9) 1,1,2-Trichlorotrifluoroet	1.90	101	44473	27.06	ug/l #	87
10) Methyl Iodide	1.96	142	60161	24.03	ug/l	89
11) Tert butyl alcohol	2.70	59	13944	113.74	ug/l #	76
12) 1,1-Dichloroethene	1.85	96	31700	24.36	ug/l	95
13) Acrolein	2.21	56	171	18.57	ug/l	84
14) Allyl chloride	2.19	41	48317	23.26	ug/l	100
15) Acrylonitrile	3.07	53	22420	114.95	ug/l	95
16) Acetone	2.34	43	62818	115.66	ug/l	99
17) Carbon Disulfide	1.89	76	80273	27.70	ug/l	99
18) Methyl Acetate	2.45	43	26759m	29.73	ug/l	
19) Methyl tert-butyl Ether	2.54	73	88147	22.22	ug/l	94
20) Methylene Chloride	2.31	84	31363	22.59	ug/l #	92
21) trans-1,2-Dichloroethene	2.41	96	30793	25.80	ug/l	95
22) Diisopropyl ether	2.93	45	99669	22.69	ug/l	93
23) Vinyl Acetate	3.33	43	231326	102.42	ug/l	100
24) 1,1-Dichloroethane	2.99	63	74692	24.47	ug/l #	96
25) 2-Butanone	4.51	43	62195	102.61	ug/l #	82
26) 2,2-Dichloropropane	3.75	77	54189	24.91	ug/l	94
27) cis-1,2-Dichloroethene	3.63	96	33514	20.51	ug/l	92
28) Bromochloromethane	3.89	49	26974	22.89	ug/l #	81
29) Tetrahydrofuran	4.26	42	24577	105.50	ug/l	95
30) Chloroform	4.03	83	97950	22.74	ug/l	94
31) Cyclohexane	3.86	56	36603	22.48	ug/l	87
32) 1,1,1-Trichloroethane	4.28	97	82435	24.67	ug/l	97
36) 1,1-Dichloropropene	4.45	75	57224	21.51	ug/l	93
37) Ethyl Acetate	4.30	43	28119	21.00	ug/l	98
38) Carbon Tetrachloride	4.17	117	101067	26.73	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	43724	21.33	ug/l	97
40) Benzene	4.81	78	100569	20.94	ug/l	97
41) Methacrylonitrile	4.93	41	13801	21.45	ug/l	95
42) 1,2-Dichloroethane	5.11	62	78338	23.30	ug/l	99
43) Isopropyl Acetate	7.11	43	25693	18.07	ug/l #	97
44) Trichloroethene	5.67	130	41381	22.83	ug/l	86
45) 1,2-Dichloropropane	6.39	63	27679	21.82	ug/l #	87
46) Dibromomethane	6.26	93	26760	22.22	ug/l	92
47) Bromodichloromethane	6.54	83	77274	23.56	ug/l	92
48) Methyl methacrylate	6.88	41	19693	18.41	ug/l	93
49) 1,4-Dioxane	6.88	88	2918	398.47	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	112034	103.56	ug/l	96
52) Toluene	7.77	92	75237	22.05	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	62642	22.01	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	61886	22.45	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	26476	20.35	ug/l	97
56) Ethyl methacrylate	8.76	69	27683	20.41	ug/l	94
57) 1,3-Dichloropropane	9.00	76	48181	21.59	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	17928	114.46	ug/l	100
59) 2-Hexanone	9.63	43	83838	96.70	ug/l	95
60) Dibromochloromethane	8.86	129	52965	23.07	ug/l	95
61) 1,2-Dibromoethane	9.14	107	32602	21.46	ug/l	98
64) Tetrachloroethene	8.31	164	42909	25.44	ug/l	90
65) Chlorobenzene	9.93	112	104519	22.70	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	51347	23.89	ug/l	97
67) Ethyl Benzene	10.04	91	183672	23.06	ug/l	98
68) m/p-Xylenes	10.28	106	119239m	43.44	ug/l	
69) o-Xylene	10.83	106	66880	22.78	ug/l	90
70) Styrene	10.90	104	100767	22.66	ug/l	96
71) Bromoform	10.89	173	33161	23.67	ug/l	96
73) Isopropylbenzene	11.22	105	233948	22.10	ug/l	99
74) N-amyl acetate	11.46	43	48049	17.99	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	42991	21.58	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	34471	20.35	ug/l	93
77) Bromobenzene	11.59	156	57742	20.89	ug/l	95
78) n-propylbenzene	11.69	91	276737	22.78	ug/l	99
79) 2-Chlorotoluene	11.82	91	165381	21.74	ug/l	92
80) 1,3,5-Trimethylbenzene	11.91	105	210595	22.41	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	14139m	20.15	ug/l	
82) 4-Chlorotoluene	11.98	91	169957	20.97	ug/l	99
83) tert-Butylbenzene	12.21	119	213190	22.44	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	218504	23.22	ug/l	100
85) sec-Butylbenzene	12.39	105	283418	23.34	ug/l	94
86) p-Isopropyltoluene	12.54	119	244300	22.89	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	119038	23.25	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	113378	22.57	ug/l	96
89) n-Butylbenzene	12.92	91	230275	22.59	ug/l	97
90) Hexachloroethane	13.00	117	59381	22.24	ug/l	73
91) 1,2-Dichlorobenzene	13.02	146	111910	22.99	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10452	21.46	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	85353	21.57	ug/l	93
94) Hexachlorobutadiene	14.26	225	64654	24.43	ug/l	97
95) Naphthalene	14.53	128	138865	19.97	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	83764	21.79	ug/l	96

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

