

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059798.D
 Acq On : 2 Aug 2018 14:08
 Operator : VA/AP
 Sample : VF0802SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBS01

Manual Integrations
 APPROVED

apatel
 8/3/2018 2:39:00 PM

Quant Time: Aug 02 15:11:09 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	196398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	276199	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	285303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	180607	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	178484	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
35) Dibromofluoromethane	4.29	113	147937	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
50) Toluene-d8	7.70	98	336522	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.50	95	183658	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	64919	26.78	ug/l	97
3) Chloromethane	1.08	50	28221	21.99	ug/l	91
4) Vinyl Chloride	1.15	62	34059	26.23	ug/l	95
5) Bromomethane	1.34	94	27247	25.17	ug/l	94
6) Chloroethane	1.42	64	18203	22.16	ug/l	90
7) Trichlorofluoromethane	1.53	101	77039m	21.00	ug/l	
8) Diethyl Ether	1.70	74	14450	23.04	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.90	101	48461	25.23	ug/l	95
10) Methyl Iodide	1.96	142	72937	25.08	ug/l	93
11) Tert butyl alcohol	2.70	59	17905	125.08	ug/l #	92
12) 1,1-Dichloroethene	1.85	96	36580	24.05	ug/l	99
13) Acrolein	2.09	56	5141	80.60	ug/l #	65
14) Allyl chloride	2.19	41	57076	23.50	ug/l	94
15) Acrylonitrile	3.07	53	27025	118.53	ug/l	87
16) Acetone	2.33	43	80049	126.08	ug/l	98
17) Carbon Disulfide	1.88	76	88704	25.85	ug/l	98
18) Methyl Acetate	2.45	43	32895	31.55	ug/l #	90
19) Methyl tert-butyl Ether	2.53	73	102610	22.12	ug/l	97
20) Methylene Chloride	2.31	84	40094m	25.48	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	35681	25.55	ug/l	93
22) Diisopropyl ether	2.92	45	127819	24.89	ug/l	90
23) Vinyl Acetate	3.33	43	300476	113.81	ug/l	98
24) 1,1-Dichloroethane	2.99	63	82726	23.19	ug/l #	97
25) 2-Butanone	4.51	43	80265	113.28	ug/l #	83
26) 2,2-Dichloropropane	3.75	77	59791	23.51	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	45338	23.73	ug/l	97
28) Bromochloromethane	3.88	49	32874	24.08	ug/l	86
29) Tetrahydrofuran	4.25	42	34430	126.43	ug/l	95
30) Chloroform	4.03	83	115034	22.85	ug/l	93
31) Cyclohexane	3.86	56	45926	24.45	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	85606	21.92	ug/l	95
36) 1,1-Dichloropropene	4.45	75	68870	22.45	ug/l	99
37) Ethyl Acetate	4.29	43	37431	24.82	ug/l #	84
38) Carbon Tetrachloride	4.17	117	106339	24.22	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	54844	23.42	ug/l	90
40) Benzene	4.80	78	128239	22.99	ug/l	97
41) Methacrylonitrile	4.91	41	17784	24.12	ug/l #	91
42) 1,2-Dichloroethane	5.10	62	89398	22.90	ug/l	98
43) Isopropyl Acetate	7.10	43	37369	22.63	ug/l #	97
44) Trichloroethene	5.67	130	48345	23.00	ug/l	91
45) 1,2-Dichloropropane	6.39	63	34624	23.51	ug/l	94
46) Dibromomethane	6.25	93	31247	22.34	ug/l	93
47) Bromodichloromethane	6.54	83	87227	22.90	ug/l	97
48) Methyl methacrylate	6.87	41	29131	23.45	ug/l	91
49) 1,4-Dioxane	6.87	88	4998	622.16	ug/l	88
51) 4-Methyl-2-Pentanone	8.40	43	155445	123.73	ug/l	97
52) Toluene	7.77	92	95722	24.43	ug/l	93
53) t-1,3-Dichloropropene	8.42	75	78018	23.61	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	75586	23.61	ug/l	92
55) 1,1,2-Trichloroethane	8.63	97	34356	22.74	ug/l	98
56) Ethyl methacrylate	8.76	69	36505	23.17	ug/l	96
57) 1,3-Dichloropropane	9.00	76	63115	24.35	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	20797	114.34	ug/l	100
59) 2-Hexanone	9.63	43	118972	118.17	ug/l	93
60) Dibromochloromethane	8.86	129	60277	22.61	ug/l	93
61) 1,2-Dibromoethane	9.13	107	43523	24.67	ug/l	99
64) Tetrachloroethene	8.30	164	51244	24.34	ug/l	96
65) Chlorobenzene	9.93	112	127455	22.33	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.06	131	57980	21.76	ug/l	96
67) Ethyl Benzene	10.03	91	228876	23.18	ug/l	97
68) m/p-Xylenes	10.26	106	160998	48.09	ug/l	94
69) o-Xylene	10.82	106	83991	23.08	ug/l	95
70) Styrene	10.90	104	131493	23.86	ug/l	98
71) Bromoform	10.88	173	40411	23.28	ug/l	96
73) Isopropylbenzene	11.22	105	271418	22.90	ug/l	99
74) N-amyl acetate	11.46	43	63085	21.10	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	51511	23.09	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	43462	22.91	ug/l	97
77) Bromobenzene	11.59	156	68833	22.24	ug/l	96
78) n-propylbenzene	11.69	91	324910	24.16	ug/l	96
79) 2-Chlorotoluene	11.81	91	192586	22.80	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	243065	23.26	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	19377m	24.67	ug/l	
82) 4-Chlorotoluene	11.98	91	208397	23.38	ug/l	100
83) tert-Butylbenzene	12.21	119	255595	24.03	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	254469	24.36	ug/l	96
85) sec-Butylbenzene	12.39	105	322854	23.85	ug/l	100
86) p-Isopropyltoluene	12.54	119	283856	23.99	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	135714	23.79	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	130557	23.34	ug/l	98
89) n-Butylbenzene	12.92	91	270064	23.97	ug/l	96
90) Hexachloroethane	12.99	117	67905	22.72	ug/l	96
91) 1,2-Dichlorobenzene	13.02	146	131046	24.26	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	12408	22.75	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	101698	23.30	ug/l	96
94) Hexachlorobutadiene	14.25	225	71312	24.07	ug/l	99
95) Naphthalene	14.52	128	175716	22.57	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	94725	22.01	ug/l	97

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

