

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059794.D
 Acq On : 2 Aug 2018 11:37
 Operator : VA/AP
 Sample : VF0801SBSD02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

Manual Integrations
 APPROVED

apatel
 8/2/2018 2:20:28 PM

Quant Time: Aug 02 12:03:09 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	223117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	323043	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	304076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	194834	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	187393	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
35) Dibromofluoromethane	4.29	113	162907	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	7.71	98	389707	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	11.50	95	206296	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	71932	25.97	ug/l	94
3) Chloromethane	1.08	50	44173	32.36	ug/l	97
4) Vinyl Chloride	1.15	62	41148	28.14	ug/l	96
5) Bromomethane	1.34	94	29809	24.07	ug/l	86
6) Chloroethane	1.43	64	22689	24.78	ug/l #	84
7) Trichlorofluoromethane	1.53	101	82328m	19.76	ug/l	
8) Diethyl Ether	1.70	74	16951	23.79	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	1.90	101	49981	22.90	ug/l	93
10) Methyl Iodide	1.96	142	84993	25.83	ug/l	93
11) Tert butyl alcohol	2.69	59	17039	104.54	ug/l #	81
12) 1,1-Dichloroethene	1.85	96	43363	25.10	ug/l	76
13) Acrolein	2.09	56	4908m	70.30	ug/l	
14) Allyl chloride	2.19	41	72798	26.39	ug/l	91
15) Acrylonitrile	3.07	53	35196	135.88	ug/l	95
16) Acetone	2.34	43	69247	96.01	ug/l #	91
17) Carbon Disulfide	1.88	76	104664m	27.08	ug/l	
18) Methyl Acetate	2.45	43	35321	29.52	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	109562	20.79	ug/l	95
20) Methylene Chloride	2.27	84	47539m	26.95	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	41388	26.15	ug/l	95
22) Diisopropyl ether	2.93	45	141213	24.21	ug/l	95
23) Vinyl Acetate	3.33	43	299370	99.81	ug/l	98
24) 1,1-Dichloroethane	2.99	63	95391	23.54	ug/l	97
25) 2-Butanone	4.51	43	80735	100.30	ug/l #	77
26) 2,2-Dichloropropane	3.75	77	65253	22.58	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	53225	24.52	ug/l	93
28) Bromochloromethane	3.88	49	37477	24.18	ug/l	90
29) Tetrahydrofuran	4.26	42	33868	109.48	ug/l	98
30) Chloroform	4.03	83	130026	22.73	ug/l	98
31) Cyclohexane	3.86	56	56680	26.95	ug/l	96
32) 1,1,1-Trichloroethane	4.27	97	97969	22.08	ug/l	96
36) 1,1-Dichloropropene	4.45	75	79859	22.22	ug/l	97
37) Ethyl Acetate	4.30	43	35920	19.45	ug/l	93
38) Carbon Tetrachloride	4.17	117	117915	22.96	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	67882	25.06	ug/l	96
40) Benzene	4.80	78	155842	23.89	ug/l	93
41) Methacrylonitrile	4.92	41	17987	20.46	ug/l	94
42) 1,2-Dichloroethane	5.11	62	95212	20.85	ug/l	97
43) Isopropyl Acetate	7.10	43	35930	18.60	ug/l #	100
44) Trichloroethene	5.67	130	57478	23.48	ug/l	85
45) 1,2-Dichloropropane	6.40	63	42506	24.67	ug/l	98
46) Dibromomethane	6.25	93	35471	21.69	ug/l	87
47) Bromodichloromethane	6.54	83	92376	20.74	ug/l	99
48) Methyl methacrylate	6.87	41	28138	19.37	ug/l	95
49) 1,4-Dioxane	6.87	88	4219	429.85	ug/l	90
51) 4-Methyl-2-Pentanone	8.41	43	155025	105.50	ug/l	100
52) Toluene	7.78	92	110642	24.11	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	83102	21.50	ug/l	92
54) cis-1,3-Dichloropropene	7.45	75	85142	22.74	ug/l	94
55) 1,1,2-Trichloroethane	8.63	97	36903	20.89	ug/l	98
56) Ethyl methacrylate	8.76	69	36633	19.88	ug/l	91
57) 1,3-Dichloropropane	9.00	76	64792	21.38	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	23032	108.26	ug/l	100
59) 2-Hexanone	9.63	43	111881	95.01	ug/l	98
60) Dibromochloromethane	8.86	129	64919	20.82	ug/l	98
61) 1,2-Dibromoethane	9.14	107	45990	22.29	ug/l	96
64) Tetrachloroethene	8.30	164	59480	26.94	ug/l	94
65) Chlorobenzene	9.93	112	141094	23.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	63568	22.38	ug/l	91
67) Ethyl Benzene	10.03	91	254538	24.19	ug/l	100
68) m/p-Xylenes	10.26	106	184778	52.45	ug/l	93
69) o-Xylene	10.82	106	97844	25.23	ug/l	93
70) Styrene	10.90	104	143610	24.45	ug/l	97
71) Bromoform	10.88	173	37337	20.18	ug/l #	99
73) Isopropylbenzene	11.23	105	305224	23.88	ug/l	97
74) N-amyl acetate	11.46	43	66323	20.56	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	53103	22.07	ug/l	93
76) 1,2,3-Trichloropropane	11.89	75	41574	20.32	ug/l	89
77) Bromobenzene	11.59	156	75681	22.67	ug/l	97
78) n-propylbenzene	11.69	91	351628	24.25	ug/l	98
79) 2-Chlorotoluene	11.81	91	219228	24.33	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	269675	24.07	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	18387m	21.70	ug/l	
82) 4-Chlorotoluene	11.98	91	231916	24.26	ug/l	99
83) tert-Butylbenzene	12.21	119	269643	23.50	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	274352	24.34	ug/l	99
85) sec-Butylbenzene	12.39	105	355909	24.51	ug/l	99
86) p-Isopropyltoluene	12.54	119	307846	24.15	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	146043	23.72	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	142798	23.73	ug/l	96
89) n-Butylbenzene	12.91	91	301798	25.07	ug/l	96
90) Hexachloroethane	12.99	117	74070	22.97	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	141746	24.34	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11295	19.20	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	104483	21.93	ug/l	97
94) Hexachlorobutadiene	14.25	225	73679	23.06	ug/l	98
95) Naphthalene	14.52	128	187847	22.36	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	100355	21.61	ug/l	97

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

