

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059777.D
 Acq On : 2 Aug 2018 3:02
 Operator : VA/AP
 Sample : VF0801SBSD02
 Misc : 5µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD02

Manual Integrations
 APPROVED

apatel
 8/10/2018 3:51:14 PM

Quant Time: Aug 02 07:44:19 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	165448	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	232584	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	236651	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	148319	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	162912	54.79	ug/l	0.01
Spiked Amount	50.000		Recovery	=	109.58%	
35) Dibromofluoromethane	4.30	113	131534	54.45	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.90%	
50) Toluene-d8	7.71	98	301601	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
62) 4-Bromofluorobenzene	11.51	95	164967	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	58289	28.96	ug/l	96
3) Chloromethane	1.08	50	28289	27.20	ug/l	89
4) Vinyl Chloride	1.15	62	31041	28.70	ug/l	96
5) Bromomethane	1.33	94	24485	27.16	ug/l	90
6) Chloroethane	1.42	64	18747	28.15	ug/l	90
7) Trichlorofluoromethane	1.54	101	77068m	24.94	ug/l	
8) Diethyl Ether	1.70	74	10799	20.44	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.90	101	39626	24.49	ug/l	97
10) Methyl Iodide	1.95	142	66373	27.41	ug/l	99
11) Tert butyl alcohol	2.70	59	12523	103.60	ug/l #	95
12) 1,1-Dichloroethene	1.84	96	30456	23.77	ug/l	88
13) Acrolein	2.09	56	3224	64.11	ug/l	90
14) Allyl chloride	2.19	41	55314	27.04	ug/l	85
15) Acrylonitrile	3.07	53	23016	119.83	ug/l #	91
16) Acetone	2.34	43	47002	87.88	ug/l	95
17) Carbon Disulfide	1.88	76	79331	27.82	ug/l #	91
18) Methyl Acetate	2.45	43	26724	30.23	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	88817	22.73	ug/l	100
20) Methylene Chloride	2.27	84	33953	25.66	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	31835	27.22	ug/l	97
22) Diisopropyl ether	2.93	45	101456	23.45	ug/l #	93
23) Vinyl Acetate	3.33	43	230941	103.84	ug/l	99
24) 1,1-Dichloroethane	2.99	63	71535	23.80	ug/l	98
25) 2-Butanone	4.51	43	55411	92.84	ug/l #	76
26) 2,2-Dichloropropane	3.76	77	44467	20.75	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	40300	25.04	ug/l	92
28) Bromochloromethane	3.88	49	26726	23.07	ug/l	97
29) Tetrahydrofuran	4.26	42	24889	108.49	ug/l	95
30) Chloroform	4.04	83	102030	24.05	ug/l	99
31) Cyclohexane	3.86	56	38523	24.33	ug/l	98
32) 1,1,1-Trichloroethane	4.28	97	82902	25.20	ug/l	96
36) 1,1-Dichloropropene	4.45	75	58712	22.78	ug/l	98
37) Ethyl Acetate	4.29	43	29799	23.19	ug/l #	57
38) Carbon Tetrachloride	4.17	117	90592	24.50	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	44935	22.66	ug/l	91
40) Benzene	4.81	78	111992	23.84	ug/l	100
41) Methacrylonitrile	4.93	41	13666	21.75	ug/l	93
42) 1,2-Dichloroethane	5.12	62	78803	23.97	ug/l	97
43) Isopropyl Acetate	7.11	43	28679	20.62	ug/l #	90
44) Trichloroethene	5.68	130	40805	23.07	ug/l	88
45) 1,2-Dichloropropane	6.41	63	30855	24.87	ug/l	90
46) Dibromomethane	6.26	93	27950	23.73	ug/l	97
47) Bromodichloromethane	6.55	83	76036	23.71	ug/l #	95
48) Methyl methacrylate	6.88	41	22672	21.67	ug/l	91
49) 1,4-Dioxane	6.88	88	3211	459.11	ug/l	92
51) 4-Methyl-2-Pentanone	8.41	43	123844	117.06	ug/l	100
52) Toluene	7.79	92	78906	23.85	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	62166	22.34	ug/l	91
54) cis-1,3-Dichloropropene	7.46	75	61347	22.76	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	29525	23.21	ug/l	92
56) Ethyl methacrylate	8.77	69	27320	20.59	ug/l	97
57) 1,3-Dichloropropane	9.01	76	49483	22.67	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	19066	124.48	ug/l	100
59) 2-Hexanone	9.64	43	89822	105.95	ug/l	95
60) Dibromochloromethane	8.87	129	50143	22.34	ug/l	97
61) 1,2-Dibromoethane	9.14	107	33095	22.28	ug/l	96
64) Tetrachloroethene	8.31	164	47376	27.68	ug/l	95
65) Chlorobenzene	9.94	112	112044	23.67	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	50974	23.06	ug/l	94
67) Ethyl Benzene	10.04	91	195634	23.88	ug/l	97
68) m/p-Xylenes	10.27	106	131465	47.21	ug/l	89
69) o-Xylene	10.83	106	71558	23.71	ug/l	99
70) Styrene	10.90	104	105358	23.04	ug/l	97
71) Bromoform	10.89	173	31903	22.15	ug/l	91
73) Isopropylbenzene	11.24	105	232857	23.93	ug/l	100
74) N-amyl acetate	11.47	43	48598	19.79	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	41644	22.73	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	36845	23.65	ug/l	99
77) Bromobenzene	11.60	156	59357	23.36	ug/l	94
78) n-propylbenzene	11.69	91	280385	25.67	ug/l	97
79) 2-Chlorotoluene	11.82	91	171914	25.21	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	210274	24.79	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	11577m	17.95	ug/l	
82) 4-Chlorotoluene	11.99	91	181593	25.08	ug/l	98
83) tert-Butylbenzene	12.22	119	210757	24.12	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	212742	24.88	ug/l	98
85) sec-Butylbenzene	12.39	105	276739	25.16	ug/l	96
86) p-Isopropyltoluene	12.54	119	235434	24.29	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	112390	24.05	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	110695	24.24	ug/l	96
89) n-Butylbenzene	12.92	91	214889	23.03	ug/l	96
90) Hexachloroethane	13.00	117	59874	24.39	ug/l	82
91) 1,2-Dichlorobenzene	13.02	146	113047	25.73	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	10394	23.21	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	82496	22.95	ug/l	89
94) Hexachlorobutadiene	14.26	225	57886	23.79	ug/l	99
95) Naphthalene	14.53	128	151679	23.72	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	82448	23.33	ug/l	96

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

