

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080618\
 Data File : VF059886.D
 Acq On : 6 Aug 2018 20:07
 Operator : VA/AP
 Sample : VF0806SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0806SBSD01

Manual Integrations
 APPROVED

apatel
 8/7/2018 10:46:56 AM

Quant Time: Aug 07 04:01:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F080418S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 04 07:08:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	182870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	261023	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	254898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	179042	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	177136	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	
35) Dibromofluoromethane	4.29	113	137660	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
50) Toluene-d8	7.71	98	303684	54.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.92%	
62) 4-Bromofluorobenzene	11.51	95	174842	56.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	68227	21.84	ug/l	99
3) Chloromethane	1.09	50	30204	20.90	ug/l	94
4) Vinyl Chloride	1.16	62	30931	20.89	ug/l	89
5) Bromomethane	1.33	94	28821	20.62	ug/l	98
6) Chloroethane	1.42	64	21825	23.47	ug/l	93
7) Trichlorofluoromethane	1.53	101	66592m	16.43	ug/l	
8) Diethyl Ether	1.71	74	13164	20.47	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.89	101	44723	20.00	ug/l	93
10) Methyl Iodide	1.92	142	75248	21.90	ug/l	96
11) Tert butyl alcohol	2.69	59	16545	124.41	ug/l #	93
12) 1,1-Dichloroethene	1.85	96	32142	19.68	ug/l	98
13) Acrolein	2.09	56	8796	110.37	ug/l	96
14) Allyl chloride	2.19	41	57193	21.00	ug/l	95
15) Acrylonitrile	3.08	53	22256	91.33	ug/l #	85
16) Acetone	2.34	43	68274	112.18	ug/l	94
17) Carbon Disulfide	1.84	76	96531	22.14	ug/l #	91
18) Methyl Acetate	2.46	43	17639	17.18	ug/l #	91
19) Methyl tert-butyl Ether	2.55	73	99102	21.43	ug/l #	91
20) Methylene Chloride	2.28	84	49469	30.31	ug/l	96
21) trans-1,2-Dichloroethene	2.41	96	33725	20.78	ug/l	97
22) Diisopropyl ether	2.93	45	111668	21.31	ug/l #	88
23) Vinyl Acetate	3.33	43	284841	112.30	ug/l	98
24) 1,1-Dichloroethane	3.00	63	78746	20.64	ug/l	98
25) 2-Butanone	4.51	43	72515	109.57	ug/l	100
26) 2,2-Dichloropropane	3.76	77	57074	25.70	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	37343	20.47	ug/l	98
28) Bromochloromethane	3.88	49	28254	20.97	ug/l #	79
29) Tetrahydrofuran	4.27	42	25956	106.54	ug/l	99
30) Chloroform	4.03	83	108541	21.03	ug/l	95
31) Cyclohexane	3.86	56	39540	20.94	ug/l	93
32) 1,1,1-Trichloroethane	4.27	97	93996	22.76	ug/l	96
36) 1,1-Dichloropropene	4.46	75	65120	21.57	ug/l	98
37) Ethyl Acetate	4.29	43	30163	23.27	ug/l	91
38) Carbon Tetrachloride	4.17	117	107672	24.91	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	47254	20.87	ug/l	95
40) Benzene	4.81	78	109805	19.32	ug/l	98
41) Methacrylonitrile	4.92	41	14839	21.69	ug/l	90
42) 1,2-Dichloroethane	5.12	62	87999	21.05	ug/l	96
43) Isopropyl Acetate	7.11	43	29850	22.36	ug/l #	85
44) Trichloroethene	5.67	130	43511	21.64	ug/l	94
45) 1,2-Dichloropropane	6.40	63	28747	20.75	ug/l #	87
46) Dibromomethane	6.26	93	29077	20.80	ug/l	88
47) Bromodichloromethane	6.55	83	81761	21.38	ug/l	92
48) Methyl methacrylate	6.87	41	21449	20.65	ug/l	94
49) 1,4-Dioxane	6.96	88	119	95.10	ug/l	86
51) 4-Methyl-2-Pentanone	8.40	43	144127	105.60	ug/l	99
52) Toluene	7.78	92	82677	21.68	ug/l	94
53) t-1,3-Dichloropropene	8.42	75	65263	22.44	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	66226	22.06	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	28296	20.61	ug/l #	88
56) Ethyl methacrylate	8.77	69	27746	20.55	ug/l	95
57) 1,3-Dichloropropane	9.00	76	48193	20.45	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.78	63	20657	113.75	ug/l	100
59) 2-Hexanone	9.63	43	108398	112.43	ug/l	98
60) Dibromochloromethane	8.86	129	53238	20.67	ug/l	92
61) 1,2-Dibromoethane	9.13	107	34414	20.58	ug/l	92
64) Tetrachloroethene	8.30	164	43316	19.70	ug/l	96
65) Chlorobenzene	9.94	112	109155	21.10	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	57516	22.35	ug/l	97
67) Ethyl Benzene	10.04	91	205507	22.80	ug/l	99
68) m/p-Xylenes	10.26	106	141633	45.46	ug/l	98
69) o-Xylene	10.83	106	79115	23.97	ug/l	99
70) Styrene	10.90	104	109810	22.29	ug/l	99
71) Bromoform	10.89	173	34166	21.66	ug/l #	95
73) Isopropylbenzene	11.23	105	248859	22.32	ug/l	99
74) N-amyl acetate	11.47	43	54168	21.43	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	41291	19.72	ug/l	92
76) 1,2,3-Trichloropropane	11.88	75	35245	19.60	ug/l	94
77) Bromobenzene	11.59	156	63238	20.85	ug/l	98
78) n-propylbenzene	11.68	91	294766	22.38	ug/l	97
79) 2-Chlorotoluene	11.81	91	182598	21.92	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	233264	22.53	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	20090	31.10	ug/l #	82
82) 4-Chlorotoluene	11.99	91	201194	22.24	ug/l	96
83) tert-Butylbenzene	12.22	119	228992	22.72	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	234123	21.98	ug/l	100
85) sec-Butylbenzene	12.38	105	290570	21.70	ug/l	99
86) p-Isopropyltoluene	12.54	119	261983	23.27	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	120551	20.98	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	118690	21.04	ug/l	96
89) n-Butylbenzene	12.92	91	261469	24.37	ug/l	97
90) Hexachloroethane	12.99	117	66743	21.49	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	121766	22.02	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9887	18.73	ug/l	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	97181	23.15	ug/l	93
94) Hexachlorobutadiene	14.26	225	67904	22.90	ug/l	98
95) Naphthalene	14.52	128	155531	21.40	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	94784	22.86	ug/l	98

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

