

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081018\
 Data File : VF059940.D
 Acq On : 10 Aug 2018 13:10
 Operator : VA/AP
 Sample : VF0810SBSD01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0810SBSD01

Manual Integrations
 APPROVED

apatel
 8/13/2018 12:33:52 PM

Quant Time: Aug 11 01:19:47 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	5.06	168	109507	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	156410	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	153106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	105527	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	95853	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	4.30	113	77687	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
50) Toluene-d8	7.72	98	176696	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
62) 4-Bromofluorobenzene	11.52	95	98631	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	38859	20.77	ug/l	96
3) Chloromethane	1.10	50	18131	20.95	ug/l	97
4) Vinyl Chloride	1.16	62	19123	21.57	ug/l	91
5) Bromomethane	1.34	94	17823	21.30	ug/l	98
6) Chloroethane	1.43	64	13451	24.15	ug/l	97
7) Trichlorofluoromethane	1.54	101	56663m	23.35	ug/l	
8) Diethyl Ether	1.71	74	7292	18.94	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.91	101	27871	20.81	ug/l	93
10) Methyl Iodide	1.97	142	44014	21.39	ug/l	97
11) Tert butyl alcohol	2.69	59	9052	113.67	ug/l #	88
12) 1,1-Dichloroethene	1.87	96	20233	20.68	ug/l	97
13) Acrolein	2.10	56	4162	87.21	ug/l	96
14) Allyl chloride	2.20	41	33997	20.85	ug/l	97
15) Acrylonitrile	3.09	53	13509	92.58	ug/l	94
16) Acetone	2.35	43	48135	132.07	ug/l	99
17) Carbon Disulfide	1.90	76	57092	21.86	ug/l	96
18) Methyl Acetate	2.47	43	11412	18.56	ug/l #	81
19) Methyl tert-butyl Ether	2.55	73	56632	20.45	ug/l	97
20) Methylene Chloride	2.33	84	21207m	19.75	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	19468	20.04	ug/l	94
22) Diisopropyl ether	2.93	45	65802	20.97	ug/l	96
23) Vinyl Acetate	3.34	43	171777	113.10	ug/l	97
24) 1,1-Dichloroethane	3.01	63	46602	20.40	ug/l	99
25) 2-Butanone	4.52	43	48059	121.27	ug/l	96
26) 2,2-Dichloropropane	3.78	77	33097	24.88	ug/l	96
27) cis-1,2-Dichloroethene	3.65	96	23112	21.15	ug/l	83
28) Bromochloromethane	3.90	49	17305	21.45	ug/l #	80
29) Tetrahydrofuran	4.27	42	15362	105.30	ug/l	95
30) Chloroform	4.04	83	64889	20.99	ug/l	99
31) Cyclohexane	3.89	56	26622	23.54	ug/l	93
32) 1,1,1-Trichloroethane	4.28	97	56435	22.82	ug/l	93
36) 1,1-Dichloropropene	4.47	75	40297	22.27	ug/l	98
37) Ethyl Acetate	4.30	43	19155	24.66	ug/l #	98
38) Carbon Tetrachloride	4.18	117	60578m	23.39	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	32124	23.68	ug/l	94
40) Benzene	4.82	78	67052	19.75	ug/l	99
41) Methacrylonitrile	4.94	41	8303	20.25	ug/l	93
42) 1,2-Dichloroethane	5.13	62	53207	21.24	ug/l	99
43) Isopropyl Acetate	7.13	43	17976	22.47	ug/l #	89
44) Trichloroethene	5.68	130	26957	22.37	ug/l	83
45) 1,2-Dichloropropane	6.42	63	17359	20.91	ug/l	93
46) Dibromomethane	6.26	93	17724	21.16	ug/l	96
47) Bromodichloromethane	6.56	83	51183	22.34	ug/l	98
48) Methyl methacrylate	6.88	41	13209	21.23	ug/l	92
49) 1,4-Dioxane	6.88	88	2185	529.87	ug/l #	79
51) 4-Methyl-2-Pentanone	8.41	43	91214	111.53	ug/l	98
52) Toluene	7.79	92	50705	22.19	ug/l	95
53) t-1,3-Dichloropropene	8.43	75	42867	24.60	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	41608	23.13	ug/l	95
55) 1,1,2-Trichloroethane	8.65	97	16991	20.66	ug/l	94
56) Ethyl methacrylate	8.78	69	18423	22.41	ug/l #	79
57) 1,3-Dichloropropane	9.01	76	29801	21.10	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.79	63	12705	116.75	ug/l	100
59) 2-Hexanone	9.64	43	70326	121.73	ug/l	95
60) Dibromochloromethane	8.87	129	32884	21.31	ug/l	98
61) 1,2-Dibromoethane	9.15	107	21487	21.44	ug/l	95
64) Tetrachloroethene	8.31	164	27970	21.18	ug/l	94
65) Chlorobenzene	9.96	112	71463	23.00	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.08	131	34029	22.01	ug/l	94
67) Ethyl Benzene	10.05	91	129008	23.83	ug/l	98
68) m/p-Xylenes	10.27	106	92219	49.27	ug/l	98
69) o-Xylene	10.84	106	47888	24.15	ug/l	100
70) Styrene	10.92	104	71813	24.27	ug/l	97
71) Bromoform	10.90	173	20188	21.31	ug/l	95
73) Isopropylbenzene	11.24	105	153654	23.38	ug/l	98
74) N-amyl acetate	11.47	43	34194	22.74	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	25078	20.32	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	21752	20.52	ug/l	99
77) Bromobenzene	11.61	156	39021	21.83	ug/l	96
78) n-propylbenzene	11.69	91	188485	24.28	ug/l	97
79) 2-Chlorotoluene	11.82	91	115370	23.50	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	144456	23.67	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	7874m	20.68	ug/l	
82) 4-Chlorotoluene	12.00	91	121048	22.70	ug/l	99
83) tert-Butylbenzene	12.23	119	146110	24.59	ug/l	93
84) 1,2,4-Trimethylbenzene	12.30	105	149761	23.86	ug/l	98
85) sec-Butylbenzene	12.39	105	185303	23.47	ug/l	96
86) p-Isopropyltoluene	12.54	119	164345	24.77	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	76483	22.58	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	74868	22.52	ug/l	94
89) n-Butylbenzene	12.93	91	162727	25.73	ug/l	98
90) Hexachloroethane	13.00	117	41364	22.59	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	76095	23.35	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	5893	18.94	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	61011	24.66	ug/l	96
94) Hexachlorobutadiene	14.27	225	41661	23.83	ug/l	97
95) Naphthalene	14.53	128	92654	21.63	ug/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	56661	23.19	ug/l	97

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

