

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF090718\
 Data File : VF060209.D
 Acq On : 7 Sep 2018 14:39
 Operator : VA/AP
 Sample : VF0907SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0907SBS01

Manual Integrations
 APPROVED

apatel
 9/10/2018 3:31:49 PM

Quant Time: Sep 08 00:57:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 10:44:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	158368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	226883	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	239623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	158330	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	152276	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
35) Dibromofluoromethane	4.30	113	114318	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	7.72	98	271448	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
62) 4-Bromofluorobenzene	11.51	95	158769	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	66265	21.95	ug/l	98
3) Chloromethane	1.07	50	36706m	23.06	ug/l	
4) Vinyl Chloride	1.12	62	25266	20.59	ug/l	98
5) Bromomethane	1.32	94	23602	21.47	ug/l	97
6) Chloroethane	1.40	64	17152	21.83	ug/l	95
7) Trichlorofluoromethane	1.49	101	68067	19.89	ug/l	90
8) Diethyl Ether	1.70	74	10696	21.14	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.86	101	35291	21.09	ug/l	95
10) Methyl Iodide	1.93	142	30082	19.96	ug/l	91
11) Tert butyl alcohol	2.70	59	14930	106.94	ug/l #	67
12) 1,1-Dichloroethene	1.83	96	20972	18.43	ug/l #	83
13) Acrolein	2.10	56	8261	135.37	ug/l	91
14) Allyl chloride	2.20	41	32883	19.26	ug/l	94
15) Acrylonitrile	3.08	53	24882	118.30	ug/l	97
16) Acetone	2.34	43	88174	123.12	ug/l	95
17) Carbon Disulfide	1.84	76	69637	20.99	ug/l	99
18) Methyl Acetate	2.46	43	22896	24.49	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	84896	22.54	ug/l	99
20) Methylene Chloride	2.28	84	32459	18.38	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	24329	20.89	ug/l	93
22) Diisopropyl ether	2.93	45	87650	20.49	ug/l	92
23) Vinyl Acetate	3.34	43	201354	124.20	ug/l	97
24) 1,1-Dichloroethane	3.00	63	58705	21.10	ug/l	100
25) 2-Butanone	4.52	43	97325	125.16	ug/l	99
26) 2,2-Dichloropropane	3.76	77	80159	21.94	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	31290	20.58	ug/l	89
28) Bromochloromethane	3.89	49	21866	23.07	ug/l	87
29) Tetrahydrofuran	4.27	42	32116	124.93	ug/l	95
30) Chloroform	4.05	83	83282	20.43	ug/l	99
31) Cyclohexane	3.86	56	39479	20.74	ug/l	92
32) 1,1,1-Trichloroethane	4.28	97	85791	21.12	ug/l	94
36) 1,1-Dichloropropene	4.46	75	52530	19.67	ug/l	92
37) Ethyl Acetate	4.30	43	35522	24.90	ug/l #	71
38) Carbon Tetrachloride	4.17	117	75484	20.56	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	44128	19.73	ug/l	90
40) Benzene	4.82	78	99754	20.97	ug/l	92
41) Methacrylonitrile	4.94	41	16349	23.54	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	72913	21.21	ug/l	98
43) Isopropyl Acetate	7.12	43	36722	23.64	ug/l #	97
44) Trichloroethene	5.68	130	39237	20.36	ug/l	95
45) 1,2-Dichloropropane	6.41	63	28921	21.39	ug/l	97
46) Dibromomethane	6.26	93	26341	22.12	ug/l	91
47) Bromodichloromethane	6.55	83	67148	20.78	ug/l #	96
48) Methyl methacrylate	6.88	41	27521	22.30	ug/l	98
49) 1,4-Dioxane	6.92	88	2175	119.97	ug/l #	68
51) 4-Methyl-2-Pentanone	8.41	43	169340	122.71	ug/l	97
52) Toluene	7.79	92	71871	19.51	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	63091	23.23	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	60190	21.35	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	28400	20.96	ug/l	95
56) Ethyl methacrylate	8.77	69	37927	24.48	ug/l	88
57) 1,3-Dichloropropane	9.01	76	53356	22.14	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.79	63	15763	94.61	ug/l	100
59) 2-Hexanone	9.64	43	135624	130.84	ug/l	99
60) Dibromochloromethane	8.87	129	42989	19.15	ug/l	100
61) 1,2-Dibromoethane	9.14	107	36425	22.41	ug/l	88
64) Tetrachloroethene	8.31	164	49361	17.40	ug/l	95
65) Chlorobenzene	9.94	112	105775	21.33	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	44605	20.29	ug/l	96
67) Ethyl Benzene	10.04	91	193290	20.89	ug/l	99
68) m/p-Xylenes	10.27	106	133698	43.06	ug/l	97
69) o-Xylene	10.83	106	71678	21.64	ug/l	93
70) Styrene	10.90	104	111787	22.27	ug/l	98
71) Bromoform	10.89	173	26597	20.96	ug/l #	96
73) Isopropylbenzene	11.23	105	224555	20.56	ug/l	100
74) N-amyl acetate	11.46	43	49859	25.52	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	39826	24.25	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	37864	21.76	ug/l	91
77) Bromobenzene	11.60	156	55851	19.53	ug/l	85
78) n-propylbenzene	11.69	91	269849	20.62	ug/l	95
79) 2-Chlorotoluene	11.82	91	162280	20.53	ug/l	94
80) 1,3,5-Trimethylbenzene	11.92	105	197665	20.50	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	7564m	20.20	ug/l	
82) 4-Chlorotoluene	11.99	91	175272	19.98	ug/l	93
83) tert-Butylbenzene	12.22	119	176804	20.13	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	210733	21.52	ug/l	96
85) sec-Butylbenzene	12.39	105	258242	21.31	ug/l	100
86) p-Isopropyltoluene	12.54	119	230239	21.39	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	112320	21.49	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	108882	21.05	ug/l	95
89) n-Butylbenzene	12.92	91	227650	21.87	ug/l	97
90) Hexachloroethane	13.00	117	43063	19.74	ug/l	84
91) 1,2-Dichlorobenzene	13.02	146	110126	22.19	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9546	22.78	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	85696	22.35	ug/l	95
94) Hexachlorobutadiene	14.25	225	57063	20.88	ug/l	98
95) Naphthalene	14.53	128	122014	21.93	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	80645	22.40	ug/l	98

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

