

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059752.D
 Acq On : 1 Aug 2018 13:48
 Operator : VA/AP
 Sample : VF0801SBSD01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBSD01

Manual Integrations
 APPROVED

apatel
 8/2/2018 10:25:56 AM

Quant Time: Aug 02 05:26:07 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	5.05	168	168007	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	230215	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	226466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	154392	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	163279	54.08	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.16%	
35) Dibromofluoromethane	4.30	113	126803	53.03	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.06%	
50) Toluene-d8	7.71	98	269531	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	11.51	95	157050	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.98	85	65062	32.47	ug/l	92
3) Chloromethane	1.08	50	28044	26.42	ug/l	96
4) Vinyl Chloride	1.15	62	26899	23.91	ug/l #	79
5) Bromomethane	1.34	94	25692	28.21	ug/l	91
6) Chloroethane	1.42	64	19431	28.83	ug/l #	82
7) Trichlorofluoromethane	1.54	101	78212m	24.93	ug/l	
8) Diethyl Ether	1.70	74	14286	26.63	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	42853	26.08	ug/l	97
10) Methyl Iodide	1.96	142	62603	25.17	ug/l	95
11) Tert butyl alcohol	2.69	59	12742	103.81	ug/l #	86
12) 1,1-Dichloroethene	1.85	96	34434	26.47	ug/l	96
13) Acrolein	2.19	56	420	22.23	ug/l	92
14) Allyl chloride	2.19	41	43568	20.97	ug/l	99
15) Acrylonitrile	3.07	53	21741	111.47	ug/l	91
16) Acetone	2.33	43	57860	106.54	ug/l	96
17) Carbon Disulfide	1.89	76	80029	27.60	ug/l	96
18) Methyl Acetate	2.45	43	26794	29.78	ug/l	93
19) Methyl tert-butyl Ether	2.54	73	90575	22.83	ug/l	100
20) Methylene Chloride	2.28	84	32541m	23.75	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	28756	23.92	ug/l	92
22) Diisopropyl ether	2.93	45	97343	22.16	ug/l	97
23) Vinyl Acetate	3.33	43	235011	104.06	ug/l	98
24) 1,1-Dichloroethane	3.00	63	74273	24.34	ug/l	97
25) 2-Butanone	4.52	43	56254	92.81	ug/l #	84
26) 2,2-Dichloropropane	3.75	77	50302	23.12	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	35322	21.61	ug/l	96
28) Bromochloromethane	3.89	49	25716	21.59	ug/l	90
29) Tetrahydrofuran	4.27	42	24157	103.70	ug/l	94
30) Chloroform	4.03	83	104505	24.26	ug/l	99
31) Cyclohexane	3.85	56	36797	22.62	ug/l	88
32) 1,1,1-Trichloroethane	4.28	97	78970	23.64	ug/l	98
36) 1,1-Dichloropropene	4.45	75	59091	23.24	ug/l	97
37) Ethyl Acetate	4.29	43	28054	21.80	ug/l #	41
38) Carbon Tetrachloride	4.17	117	100469	27.45	ug/l #	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	43572	22.10	ug/l #	92
40) Benzene	4.81	78	102237	21.99	ug/l	97
41) Methacrylonitrile	4.93	41	12079	19.11	ug/l #	91
42) 1,2-Dichloroethane	5.11	62	77011	23.67	ug/l	96
43) Isopropyl Acetate	7.12	43	27081	19.67	ug/l #	87
44) Trichloroethene	5.67	130	42919	24.88	ug/l	87
45) 1,2-Dichloropropane	6.41	63	27065	22.04	ug/l	94
46) Dibromomethane	6.25	93	25121	21.55	ug/l	95
47) Bromodichloromethane	6.54	83	77556	24.43	ug/l #	95
48) Methyl methacrylate	6.87	41	20615	19.91	ug/l	92
49) 1,4-Dioxane	6.88	88	2530	347.06	ug/l #	57
51) 4-Methyl-2-Pentanone	8.41	43	107744	102.89	ug/l	94
52) Toluene	7.78	92	75497	22.97	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	60689	22.03	ug/l	91
54) cis-1,3-Dichloropropene	7.46	75	61780	23.16	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	25920	20.59	ug/l	94
56) Ethyl methacrylate	8.76	69	24754	18.85	ug/l	95
57) 1,3-Dichloropropane	9.00	76	45577	21.10	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	19366	127.74	ug/l	100
59) 2-Hexanone	9.63	43	83828	99.90	ug/l	92
60) Dibromochloromethane	8.86	129	52676	23.71	ug/l	93
61) 1,2-Dibromoethane	9.14	107	32468	22.08	ug/l	94
64) Tetrachloroethene	8.31	164	43818	26.59	ug/l	98
65) Chlorobenzene	9.94	112	109386	24.15	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	48832	23.09	ug/l	95
67) Ethyl Benzene	10.04	91	187193	23.88	ug/l	98
68) m/p-Xylenes	10.27	106	132569	50.21	ug/l	98
69) o-Xylene	10.83	106	70528	24.42	ug/l	98
70) Styrene	10.90	104	106538	24.35	ug/l	93
71) Bromoform	10.89	173	32660	23.70	ug/l	98
73) Isopropylbenzene	11.23	105	224259	22.14	ug/l	95
74) N-amyl acetate	11.46	43	47461	18.57	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	40712	21.35	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	32670m	20.15	ug/l	
77) Bromobenzene	11.60	156	76097	28.77	ug/l	68
78) n-propylbenzene	11.69	91	272045	23.55	ug/l	99
79) 2-Chlorotoluene	11.82	91	174184	24.41	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	215617	24.34	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	13569m	20.21	ug/l	
82) 4-Chlorotoluene	11.98	91	177840	23.34	ug/l	96
83) tert-Butylbenzene	12.21	119	212800	23.40	ug/l	95
84) 1,2,4-Trimethylbenzene	12.29	105	215688	24.11	ug/l	100
85) sec-Butylbenzene	12.39	105	280725	24.37	ug/l	98
86) p-Isopropyltoluene	12.54	119	236882	23.27	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	115817	23.74	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	109763	22.88	ug/l	98
89) n-Butylbenzene	12.92	91	232976	24.25	ug/l	96
90) Hexachloroethane	13.00	117	60614	23.72	ug/l	81
91) 1,2-Dichlorobenzene	13.02	146	109176	23.53	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	9490	20.36	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	87073	23.34	ug/l	95
94) Hexachlorobutadiene	14.25	225	62196	24.56	ug/l	99
95) Naphthalene	14.53	128	131951	19.82	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	79854	21.70	ug/l	91

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

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