

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112718\
 Data File : VF060838.D
 Acq On : 27 Nov 2018 15:01
 Operator : VA/AP
 Sample : VF1127SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1127SBS01

Manual Integrations
 APPROVED

apatel
 11/28/2018 2:12:27 PM

Quant Time: Nov 28 09:31:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	214589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	368070	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	359023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.58	152	184901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.88	65	135571	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
35) Dibromofluoromethane	4.14	113	145779	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
50) Toluene-d8	7.59	98	445892	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
62) 4-Bromofluorobenzene	11.43	95	197670	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	74759	23.30	ug/l	93
3) Chloromethane	1.11	50	49924	23.91	ug/l	91
4) Vinyl Chloride	1.15	62	46669	23.96	ug/l	94
5) Bromomethane	1.35	94	28683	20.89	ug/l	89
6) Chloroethane	1.40	64	20325	24.14	ug/l	93
7) Trichlorofluoromethane	1.50	101	89503	21.42	ug/l	95
8) Diethyl Ether	1.65	74	13357	22.23	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.86	101	45988	21.77	ug/l	96
10) Methyl Iodide	1.91	142	55734	17.36	ug/l	97
11) Tert butyl alcohol	2.59	59	13417	129.48	ug/l	96
12) 1,1-Dichloroethene	1.81	96	36069	21.23	ug/l	88
13) Acrolein	2.01	56	10506	107.01	ug/l	94
14) Allyl chloride	2.11	41	45279	21.38	ug/l	94
15) Acrylonitrile	2.97	53	26869	115.65	ug/l	94
16) Acetone	2.26	43	57575	123.51	ug/l	96
17) Carbon Disulfide	1.85	76	101126m	22.20	ug/l	
18) Methyl Acetate	2.37	43	22005	27.39	ug/l	99
19) Methyl tert-butyl Ether	2.45	73	86671	22.65	ug/l	100
20) Methylene Chloride	2.27	84	36392m	21.28	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	36192	22.09	ug/l	93
22) Diisopropyl ether	2.82	45	136653	23.71	ug/l	98
23) Vinyl Acetate	3.22	43	331954	125.97	ug/l	99
24) 1,1-Dichloroethane	2.90	63	73326	21.38	ug/l	99
25) 2-Butanone	4.37	43	97829	121.33	ug/l	97
26) 2,2-Dichloropropane	3.63	77	47919	21.55	ug/l	91
27) cis-1,2-Dichloroethene	3.50	96	62435	23.41	ug/l	97
28) Bromochloromethane	3.75	49	38463	23.37	ug/l	99
29) Tetrahydrofuran	4.11	42	39702	116.16	ug/l	96
30) Chloroform	3.90	83	118733	22.49	ug/l	95
31) Cyclohexane	3.72	56	83606m	23.49	ug/l	
32) 1,1,1-Trichloroethane	4.13	97	72974	19.93	ug/l	95
36) 1,1-Dichloropropene	4.31	75	85548	20.95	ug/l	95
37) Ethyl Acetate	4.14	43	37151	22.39	ug/l	94
38) Carbon Tetrachloride	4.03	117	68682	19.05	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	88105	20.59	ug/l	95
40) Benzene	4.67	78	198193	21.97	ug/l	99
41) Methacrylonitrile	4.77	41	21342	22.73	ug/l	96
42) 1,2-Dichloroethane	4.97	62	67479	20.49	ug/l	94
43) Isopropyl Acetate	6.99	43	50639	23.29	ug/l #	97
44) Trichloroethene	5.53	130	63769	21.62	ug/l	95
45) 1,2-Dichloropropane	6.26	63	54862	23.42	ug/l	100
46) Dibromomethane	6.12	93	33924	21.35	ug/l	94
47) Bromodichloromethane	6.42	83	87561	20.75	ug/l	96
48) Methyl methacrylate	6.75	41	32851	21.88	ug/l	96
49) 1,4-Dioxane	6.75	88	4635	421.73	ug/l	89
51) 4-Methyl-2-Pentanone	8.29	43	181641	118.73	ug/l	98
52) Toluene	7.66	92	133507	21.07	ug/l	94
53) t-1,3-Dichloropropene	8.32	75	75732	22.06	ug/l	90
54) cis-1,3-Dichloropropene	7.33	75	93390	21.97	ug/l	97
55) 1,1,2-Trichloroethane	8.52	97	40602	21.99	ug/l	97
56) Ethyl methacrylate	8.65	69	46714	22.78	ug/l	94
57) 1,3-Dichloropropane	8.88	76	71546	22.15	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.33	63	21568	102.83	ug/l #	83
59) 2-Hexanone	9.52	43	133584	124.46	ug/l	99
60) Dibromochloromethane	8.75	129	55667	20.24	ug/l	96
61) 1,2-Dibromoethane	9.02	107	43860	21.99	ug/l	95
64) Tetrachloroethene	8.19	164	53949	19.67	ug/l	94
65) Chlorobenzene	9.84	112	150115	21.49	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.96	131	60327	20.09	ug/l	98
67) Ethyl Benzene	9.93	91	270873	20.83	ug/l	97
68) m/p-Xylenes	10.16	106	194359	41.56	ug/l	95
69) o-Xylene	10.74	106	112181	21.75	ug/l	96
70) Styrene	10.81	104	153308	21.45	ug/l	98
71) Bromoform	10.80	173	30291	20.89	ug/l #	96
73) Isopropylbenzene	11.15	105	311521	21.32	ug/l	99
74) N-amyl acetate	11.39	43	80306	23.80	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.72	83	53977	22.45	ug/l	98
76) 1,2,3-Trichloropropane	11.82	75	40411	23.12	ug/l	88
77) Bromobenzene	11.52	156	65572	20.47	ug/l	86
78) n-propylbenzene	11.62	91	367313	21.47	ug/l	99
79) 2-Chlorotoluene	11.75	91	209856	21.39	ug/l	96
80) 1,3,5-Trimethylbenzene	11.85	105	255254	21.52	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.90	75	17083m	19.95	ug/l	
82) 4-Chlorotoluene	11.93	91	214148	20.74	ug/l	92
83) tert-Butylbenzene	12.15	119	267159	22.11	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	252887	21.36	ug/l	98
85) sec-Butylbenzene	12.33	105	358474	21.67	ug/l	100
86) p-Isopropyltoluene	12.48	119	297533	21.45	ug/l	98
87) 1,3-Dichlorobenzene	12.50	146	130816	21.47	ug/l	99
88) 1,4-Dichlorobenzene	12.59	146	125346	21.11	ug/l	98
89) n-Butylbenzene	12.86	91	304786	21.74	ug/l	96
90) Hexachloroethane	12.94	117	69559	20.83	ug/l	83
91) 1,2-Dichlorobenzene	12.96	146	124349	21.55	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	10310	22.17	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	87313	21.66	ug/l	94
94) Hexachlorobutadiene	14.22	225	51460	19.15	ug/l	98
95) Naphthalene	14.48	128	173298	20.05	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	77551	20.71	ug/l	98

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

