

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111518\
 Data File : VF060741.D
 Acq On : 15 Nov 2018 12:03
 Operator : VA/AP
 Sample : VF1115SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1115SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/16/2018 1:25:44 PM

Quant Time: Nov 15 14:11:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	243961	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.57	114	403552	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.76	117	355359	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	197308	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.81	65	132499	47.62	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	95.24%	
35) Dibromofluoromethane	4.08	113	152138	50.15	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	7.53	98	412527	53.23	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	106.46%	
62) 4-Bromofluorobenzene	11.39	95	189908	53.16	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	106.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	92083	21.09	ug/l	95
3) Chloromethane	1.09	50	60404	22.31	ug/l	92
4) Vinyl Chloride	1.14	62	52132	21.52	ug/l	100
5) Bromomethane	1.32	94	32319	21.01	ug/l	90
6) Chloroethane	1.37	64	20932	22.09	ug/l #	87
7) Trichlorofluoromethane	1.48	101	103441	19.31	ug/l	94
8) Diethyl Ether	1.62	74	14660	21.36	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.81	101	56236	22.28	ug/l	90
10) Methyl Iodide	1.88	142	86911m	21.46	ug/l	
11) Tert butyl alcohol	2.54	59	14277	112.74	ug/l #	83
12) 1,1-Dichloroethene	1.77	96	44322	22.27	ug/l	94
13) Acrolein	1.99	56	12042	103.99	ug/l #	78
14) Allyl chloride	2.08	41	77255	22.16	ug/l	88
15) Acrylonitrile	2.92	53	30786	114.08	ug/l	90
16) Acetone	2.23	43	59326	99.75	ug/l	95
17) Carbon Disulfide	1.82	76	132082m	21.96	ug/l	
18) Methyl Acetate	2.33	43	22051	22.58	ug/l	100
19) Methyl tert-butyl Ether	2.42	73	104653	21.92	ug/l	96
20) Methylene Chloride	2.17	84	52102m	24.92	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	47054	22.63	ug/l	88
22) Diisopropyl ether	2.78	45	151426	22.49	ug/l	96
23) Vinyl Acetate	3.17	43	364589	115.01	ug/l	97
24) 1,1-Dichloroethane	2.85	63	90760	22.27	ug/l	99
25) 2-Butanone	4.31	43	107267	109.65	ug/l	97
26) 2,2-Dichloropropane	3.58	77	63447	19.78	ug/l	95
27) cis-1,2-Dichloroethene	3.45	96	77343	21.86	ug/l	98
28) Bromochloromethane	3.69	49	45669	21.56	ug/l	94
29) Tetrahydrofuran	4.05	42	42979	106.51	ug/l	99
30) Chloroform	3.84	83	152386	23.30	ug/l	97
31) Cyclohexane	3.66	56	111835m	22.61	ug/l	
32) 1,1,1-Trichloroethane	4.06	97	102078	19.82	ug/l	95
36) 1,1-Dichloropropene	4.26	75	103755	22.17	ug/l	98
37) Ethyl Acetate	4.08	43	39720	22.83	ug/l	86
38) Carbon Tetrachloride	3.96	117	86770	19.11	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	122186	22.50	ug/l	99
40) Benzene	4.61	78	229094	21.96	ug/l	99
41) Methacrylonitrile	4.72	41	22866	22.24	ug/l #	90
42) 1,2-Dichloroethane	4.91	62	75893	21.05	ug/l	98
43) Isopropyl Acetate	6.93	43	48820	21.16	ug/l #	95
44) Trichloroethene	5.47	130	72485	22.02	ug/l	99
45) 1,2-Dichloropropane	6.21	63	56941	20.97	ug/l	99
46) Dibromomethane	6.07	93	37715	21.05	ug/l	96
47) Bromodichloromethane	6.36	83	98717	21.57	ug/l	98
48) Methyl methacrylate	6.70	41	31231	20.45	ug/l	95
49) 1,4-Dioxane	6.68	88	5676	397.49	ug/l #	88
51) 4-Methyl-2-Pentanone	8.24	43	177206	106.20	ug/l	98
52) Toluene	7.60	92	140109	20.04	ug/l	95
53) t-1,3-Dichloropropene	8.26	75	73867	20.15	ug/l	94
54) cis-1,3-Dichloropropene	7.28	75	100618	21.13	ug/l	98
55) 1,1,2-Trichloroethane	8.47	97	41063	20.56	ug/l	94
56) Ethyl methacrylate	8.60	69	45010	19.84	ug/l	96
57) 1,3-Dichloropropane	8.83	76	69289	20.01	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.59	63	21259	102.58	ug/l	100
59) 2-Hexanone	9.47	43	115245	98.28	ug/l	88
60) Dibromochloromethane	8.69	129	59078	20.75	ug/l	97
61) 1,2-Dibromoethane	8.97	107	44583	21.22	ug/l	98
64) Tetrachloroethene	8.13	164	61904	22.00	ug/l	89
65) Chlorobenzene	9.77	112	154242	21.51	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.90	131	67087	21.45	ug/l	99
67) Ethyl Benzene	9.87	91	291242	21.55	ug/l	98
68) m/p-Xylenes	10.11	106	214694	44.45	ug/l	97
69) o-Xylene	10.69	106	122010	22.47	ug/l	97
70) Styrene	10.77	104	158506	21.51	ug/l	98
71) Bromoform	10.75	173	29128	20.71	ug/l	94
73) Isopropylbenzene	11.11	105	359261	22.62	ug/l	96
74) N-amyl acetate	11.35	43	81368	22.51	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	57912	22.06	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	41680	21.37	ug/l	96
77) Bromobenzene	11.48	156	71251	21.55	ug/l	91
78) n-propylbenzene	11.58	91	396294	21.39	ug/l	100
79) 2-Chlorotoluene	11.71	91	237463	22.06	ug/l	100
80) 1,3,5-Trimethylbenzene	11.81	105	274931	21.80	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	20491m	21.39	ug/l	
82) 4-Chlorotoluene	11.89	91	233342	21.16	ug/l	99
83) tert-Butylbenzene	12.11	119	295478	22.07	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	274111	21.02	ug/l	96
85) sec-Butylbenzene	12.29	105	404250	22.26	ug/l	98
86) p-Isopropyltoluene	12.45	119	332738	21.94	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	143018	21.74	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	134422	21.26	ug/l	96
89) n-Butylbenzene	12.83	91	337717	21.82	ug/l	96
90) Hexachloroethane	12.90	117	82262	22.17	ug/l	95
91) 1,2-Dichlorobenzene	12.93	146	133291	21.52	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	9022	18.28	ug/l	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	91500	20.55	ug/l	99
94) Hexachlorobutadiene	14.17	225	61318	21.08	ug/l	99
95) Naphthalene	14.44	128	164379	20.23	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	87754	21.33	ug/l	95

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

