

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059208.D
 Acq On : 20 Jun 2018 2:07
 Operator : VA/AP
 Sample : VF0619SBS02
 Misc : 5.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS02

Manual Integrations
 APPROVED

apatel
 6/20/2018 11:19:03 AM

Quant Time: Jun 20 05:43:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	256160	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	407548	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	396398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	235236	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	174737	56.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.50%	
35) Dibromofluoromethane	4.28	113	163231	57.08	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	114.16%	
50) Toluene-d8	7.71	98	403638	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	11.50	95	218872	50.79	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	59666	20.58	ug/l	94
3) Chloromethane	1.08	50	40416	18.00	ug/l	96
4) Vinyl Chloride	1.14	62	40445	19.96	ug/l	93
5) Bromomethane	1.34	94	26987	22.86	ug/l	89
6) Chloroethane	1.43	64	20304	24.15	ug/l	99
7) Trichlorofluoromethane	1.49	101	71393m	22.67	ug/l	
8) Diethyl Ether	1.70	74	18654	23.54	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.90	101	45054	22.45	ug/l	96
10) Methyl Iodide	1.96	142	77874	22.17	ug/l	99
11) Tert butyl alcohol	2.69	59	20892	104.96	ug/l	99
12) 1,1-Dichloroethene	1.85	96	37032	21.94	ug/l	94
13) Acrolein	2.09	56	12293	71.35	ug/l	86
14) Allyl chloride	2.19	41	70147	21.17	ug/l	97
15) Acrylonitrile	3.07	53	46894	118.62	ug/l	95
16) Acetone	2.33	43	76126	102.63	ug/l #	89
17) Carbon Disulfide	1.87	76	90573	19.11	ug/l	96
18) Methyl Acetate	2.45	43	29739m	23.32	ug/l	
19) Methyl tert-butyl Ether	2.53	73	127962m	24.42	ug/l	
20) Methylene Chloride	2.27	84	44051m	24.80	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	40033	21.63	ug/l	96
22) Diisopropyl ether	2.92	45	154176	23.67	ug/l	98
23) Vinyl Acetate	3.33	43	509255	118.60	ug/l	99
24) 1,1-Dichloroethane	2.99	63	92009	23.30	ug/l	98
25) 2-Butanone	4.50	43	121270	105.45	ug/l	99
26) 2,2-Dichloropropane	3.75	77	56925	19.87	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	62455	21.92	ug/l	91
28) Bromochloromethane	3.88	49	43038	24.22	ug/l #	90
29) Tetrahydrofuran	4.26	42	60494	119.39	ug/l	98
30) Chloroform	4.03	83	133595	23.65	ug/l	100
31) Cyclohexane	3.85	56	67161	19.47	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	97056	23.02	ug/l	96
36) 1,1-Dichloropropene	4.45	75	87065	22.04	ug/l	95
37) Ethyl Acetate	4.27	43	61627	25.25	ug/l #	96
38) Carbon Tetrachloride	4.17	117	101403	23.69	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	81108	20.14	ug/l	99
40) Benzene	4.80	78	195385	21.31	ug/l	97
41) Methacrylonitrile	4.92	41	26136	21.80	ug/l	94
42) 1,2-Dichloroethane	5.11	62	102281	24.87	ug/l	98
43) Isopropyl Acetate	7.10	43	69893	21.38	ug/l #	88
44) Trichloroethene	5.66	130	65501	22.86	ug/l	94
45) 1,2-Dichloropropane	6.39	63	55692	21.07	ug/l	95
46) Dibromomethane	6.25	93	45373	22.81	ug/l	96
47) Bromodichloromethane	6.54	83	103282	22.82	ug/l	99
48) Methyl methacrylate	6.87	41	44384	22.02	ug/l	93
49) 1,4-Dioxane	6.87	88	4550	296.24	ug/l #	87
51) 4-Methyl-2-Pentanone	8.40	43	266443	118.92	ug/l	99
52) Toluene	7.77	92	138475	20.97	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	95854	21.87	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	103698	20.60	ug/l	92
55) 1,1,2-Trichloroethane	8.63	97	54269	22.68	ug/l	95
56) Ethyl methacrylate	8.75	69	61444	20.37	ug/l #	85
57) 1,3-Dichloropropane	9.00	76	97738	23.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	23316	108.09	ug/l	100
59) 2-Hexanone	9.63	43	199327	112.47	ug/l	91
60) Dibromochloromethane	8.86	129	78010	22.68	ug/l	93
61) 1,2-Dibromoethane	9.12	107	62600	22.51	ug/l	89
64) Tetrachloroethene	8.30	164	68557	23.58	ug/l	96
65) Chlorobenzene	9.93	112	171235	21.81	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	70846	22.69	ug/l	98
67) Ethyl Benzene	10.03	91	292409	21.44	ug/l	98
68) m/p-Xylenes	10.26	106	217779	42.65	ug/l	87
69) o-Xylene	10.82	106	114750	20.79	ug/l	92
70) Styrene	10.90	104	179075	21.45	ug/l	98
71) Bromoform	10.88	173	50554	23.84	ug/l #	87
73) Isopropylbenzene	11.22	105	347672	21.35	ug/l	99
74) N-amyl acetate	11.46	43	128349	22.06	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	82811	21.45	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	65384	22.93	ug/l	99
77) Bromobenzene	11.59	156	89121	21.74	ug/l	93
78) n-propylbenzene	11.69	91	410992	21.32	ug/l	99
79) 2-Chlorotoluene	11.81	91	242534	21.30	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	297713	22.09	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	36190	19.57	ug/l	91
82) 4-Chlorotoluene	11.98	91	251916	20.78	ug/l	93
83) tert-Butylbenzene	12.21	119	294045	21.97	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	302099	21.63	ug/l	94
85) sec-Butylbenzene	12.39	105	390016	21.44	ug/l	98
86) p-Isopropyltoluene	12.54	119	336716	22.54	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	168812	22.31	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	157249	21.56	ug/l	98
89) n-Butylbenzene	12.92	91	336291	19.76	ug/l	96
90) Hexachloroethane	12.99	117	78456	21.33	ug/l	90
91) 1,2-Dichlorobenzene	13.02	146	160190	21.97	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17352	22.91	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	117085	22.96	ug/l	95
94) Hexachlorobutadiene	14.25	225	65452	22.18	ug/l	99
95) Naphthalene	14.52	128	250970	23.04	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	115084	24.42	ug/l	97

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

