

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059258.D
 Acq On : 21 Jun 2018 12:13
 Operator : VA/AP
 Sample : VF0620SBS02
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS02

Manual Integrations
 APPROVED

apatel
 6/21/2018 4:19:35 PM

Quant Time: Jun 21 14:19:47 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	5.04	168	247617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	388741	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	385815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	247160	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	161769	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
35) Dibromofluoromethane	4.29	113	145763	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	7.71	98	370248	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
62) 4-Bromofluorobenzene	11.51	95	208440	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	59181	21.12	ug/l	98
3) Chloromethane	1.09	50	36522	16.82	ug/l	97
4) Vinyl Chloride	1.15	62	37814	19.31	ug/l	99
5) Bromomethane	1.33	94	26371	23.11	ug/l	99
6) Chloroethane	1.42	64	19014	23.40	ug/l	90
7) Trichlorofluoromethane	1.48	101	76858m	25.25	ug/l	
8) Diethyl Ether	1.70	74	17073	22.29	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	1.89	101	45610	23.51	ug/l	94
10) Methyl Iodide	1.95	142	74344	21.90	ug/l	93
11) Tert butyl alcohol	2.68	59	22266	115.72	ug/l	94
12) 1,1-Dichloroethene	1.86	96	37744	23.13	ug/l	89
13) Acrolein	2.08	56	10088	60.57	ug/l #	75
14) Allyl chloride	2.18	41	70517	22.02	ug/l	88
15) Acrylonitrile	3.07	53	43140	112.89	ug/l	97
16) Acetone	2.34	43	103182m	143.90	ug/l	
17) Carbon Disulfide	1.87	76	85936	18.76	ug/l	96
18) Methyl Acetate	2.45	43	31141m	25.26	ug/l	
19) Methyl tert-butyl Ether	2.54	73	125217	24.72	ug/l	100
20) Methylene Chloride	2.28	84	41334m	24.08	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	38480	21.50	ug/l	87
22) Diisopropyl ether	2.92	45	144883	23.02	ug/l	99
23) Vinyl Acetate	3.33	43	506520	122.04	ug/l	100
24) 1,1-Dichloroethane	3.00	63	90076	23.60	ug/l	99
25) 2-Butanone	4.52	43	119317	107.34	ug/l	97
26) 2,2-Dichloropropane	3.76	77	66203	23.91	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	56099	20.37	ug/l	86
28) Bromochloromethane	3.89	49	42844	24.94	ug/l #	94
29) Tetrahydrofuran	4.25	42	55326	112.95	ug/l	94
30) Chloroform	4.03	83	130299	23.87	ug/l	95
31) Cyclohexane	3.87	56	61962	18.59	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	98554	24.18	ug/l	93
36) 1,1-Dichloropropene	4.46	75	83985	22.29	ug/l	96
37) Ethyl Acetate	4.28	43	52793	22.68	ug/l	91
38) Carbon Tetrachloride	4.17	117	107053	26.21	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	81688	21.27	ug/l	96
40) Benzene	4.80	78	182220	20.83	ug/l	97
41) Methacrylonitrile	4.92	41	25497	22.29	ug/l	95
42) 1,2-Dichloroethane	5.11	62	100255	25.56	ug/l	99
43) Isopropyl Acetate	7.11	43	64640	20.73	ug/l #	94
44) Trichloroethene	5.67	130	62781	22.97	ug/l	94
45) 1,2-Dichloropropane	6.40	63	56054	22.23	ug/l	96
46) Dibromomethane	6.25	93	44386	23.39	ug/l #	82
47) Bromodichloromethane	6.55	83	103163	23.90	ug/l	94
48) Methyl methacrylate	6.87	41	40413	21.02	ug/l	96
49) 1,4-Dioxane	6.86	88	4459	304.28	ug/l #	85
51) 4-Methyl-2-Pentanone	8.40	43	250748	117.33	ug/l	97
52) Toluene	7.78	92	135513	21.51	ug/l	93
53) t-1,3-Dichloropropene	8.42	75	96992	23.20	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	110705	23.05	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	50874	22.29	ug/l	94
56) Ethyl methacrylate	8.76	69	59803	20.78	ug/l	96
57) 1,3-Dichloropropane	9.00	76	90193	23.10	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	23797	115.66	ug/l	100
59) 2-Hexanone	9.63	43	217153	128.46	ug/l	97
60) Dibromochloromethane	8.86	129	80022	24.39	ug/l	98
61) 1,2-Dibromoethane	9.14	107	60337	22.75	ug/l	97
64) Tetrachloroethene	8.30	164	61118	21.60	ug/l	97
65) Chlorobenzene	9.94	112	180338	23.60	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	74356	24.47	ug/l	92
67) Ethyl Benzene	10.04	91	300843	22.66	ug/l	99
68) m/p-Xylenes	10.27	106	217298	43.72	ug/l	90
69) o-Xylene	10.83	106	129074	24.03	ug/l	100
70) Styrene	10.90	104	185320	22.80	ug/l	97
71) Bromoform	10.88	173	50536	24.49	ug/l #	93
73) Isopropylbenzene	11.23	105	355227	20.76	ug/l	100
74) N-amyl acetate	11.47	43	126140	20.64	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	86244	21.26	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	65487	21.86	ug/l	97
77) Bromobenzene	11.59	156	94101	21.85	ug/l	90
78) n-propylbenzene	11.69	91	431894	21.32	ug/l	98
79) 2-Chlorotoluene	11.81	91	255580	21.36	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	319415	22.55	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	39300	20.23	ug/l	95
82) 4-Chlorotoluene	11.99	91	273394	21.46	ug/l	97
83) tert-Butylbenzene	12.22	119	312923	22.25	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	317837	21.66	ug/l	92
85) sec-Butylbenzene	12.39	105	415664	21.75	ug/l	100
86) p-Isopropyltoluene	12.54	119	351429	22.39	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	176760	22.23	ug/l	96
88) 1,4-Dichlorobenzene	12.65	146	171165	22.34	ug/l	97
89) n-Butylbenzene	12.92	91	356794	19.97	ug/l	92
90) Hexachloroethane	12.99	117	83966	21.72	ug/l	87
91) 1,2-Dichlorobenzene	13.02	146	177577	23.18	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	16982	21.34	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	131150	24.48	ug/l	95
94) Hexachlorobutadiene	14.26	225	74905	24.16	ug/l	95
95) Naphthalene	14.52	128	251100	21.94	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	119523	24.14	ug/l	94

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

