

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059194.D
 Acq On : 19 Jun 2018 17:47
 Operator : VA/AP
 Sample : VF0619SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBS01

Manual Integrations
 APPROVED

apatel
 6/20/2018 10:16:29 AM

Quant Time: Jun 20 04:25:08 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	260991	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	406305	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	403539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	240459	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	177122	55.96	ug/l	0.00
Spiked Amount			Recovery	=	111.92%	
35) Dibromofluoromethane	4.29	113	158101	55.46	ug/l	0.00
Spiked Amount			Recovery	=	110.92%	
50) Toluene-d8	7.70	98	412351	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.51	95	214111	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	59555	20.16	ug/l	94
3) Chloromethane	1.09	50	40313	17.62	ug/l	97
4) Vinyl Chloride	1.15	62	36513	17.69	ug/l	89
5) Bromomethane	1.33	94	21860	18.17	ug/l	89
6) Chloroethane	1.42	64	16986	19.83	ug/l #	89
7) Trichlorofluoromethane	1.48	101	68602m	21.38	ug/l	
8) Diethyl Ether	1.70	74	17417	21.57	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	1.89	101	39094	19.12	ug/l	95
10) Methyl Iodide	1.96	142	71471	19.97	ug/l	97
11) Tert butyl alcohol	2.68	59	21154	104.30	ug/l	97
12) 1,1-Dichloroethene	1.86	96	35908	20.88	ug/l	96
13) Acrolein	2.08	56	14090	80.27	ug/l	98
14) Allyl chloride	2.18	41	68923	20.42	ug/l	94
15) Acrylonitrile	3.08	53	47378	117.62	ug/l	97
16) Acetone	2.34	43	94022	124.41	ug/l #	92
17) Carbon Disulfide	1.88	76	80971m	16.77	ug/l	
18) Methyl Acetate	2.45	43	31943	24.59	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	126278	23.65	ug/l	97
20) Methylene Chloride	2.31	84	41694m	23.04	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	37350	19.80	ug/l	90
22) Diisopropyl ether	2.92	45	145072	21.86	ug/l	99
23) Vinyl Acetate	3.32	43	493406	112.78	ug/l	99
24) 1,1-Dichloroethane	3.00	63	86310	21.46	ug/l	98
25) 2-Butanone	4.51	43	120486	102.83	ug/l #	90
26) 2,2-Dichloropropane	3.76	77	62932	21.56	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	60428	20.82	ug/l	94
28) Bromochloromethane	3.88	49	52555	29.03	ug/l #	53
29) Tetrahydrofuran	4.25	42	53863	104.33	ug/l	97
30) Chloroform	4.02	83	129839	22.56	ug/l	96
31) Cyclohexane	3.88	56	69078	19.66	ug/l	86
32) 1,1,1-Trichloroethane	4.27	97	92046	21.43	ug/l	93
36) 1,1-Dichloropropene	4.45	75	83248	21.14	ug/l	96
37) Ethyl Acetate	4.29	43	60836	25.00	ug/l #	69
38) Carbon Tetrachloride	4.16	117	97319m	22.80	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	77703	19.36	ug/l	98
40) Benzene	4.80	78	180370	19.73	ug/l	98
41) Methacrylonitrile	4.91	41	25732	21.52	ug/l	93
42) 1,2-Dichloroethane	5.11	62	96987	23.66	ug/l	96
43) Isopropyl Acetate	7.11	43	70380	21.60	ug/l #	94
44) Trichloroethene	5.66	130	64166	22.47	ug/l	93
45) 1,2-Dichloropropane	6.40	63	54310	20.61	ug/l	96
46) Dibromomethane	6.25	93	44036	22.21	ug/l	94
47) Bromodichloromethane	6.54	83	103630	22.97	ug/l	96
48) Methyl methacrylate	6.87	41	45684	22.74	ug/l	92
49) 1,4-Dioxane	6.86	88	4794	312.92	ug/l	96
51) 4-Methyl-2-Pentanone	8.40	43	248892	111.43	ug/l	94
52) Toluene	7.77	92	129749	19.71	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	99980	22.88	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	106717	21.26	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	51959	21.78	ug/l	92
56) Ethyl methacrylate	8.76	69	62631	20.83	ug/l	95
57) 1,3-Dichloropropane	8.99	76	88239	21.62	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	22176	103.12	ug/l	100
59) 2-Hexanone	9.62	43	204928	115.99	ug/l	90
60) Dibromochloromethane	8.85	129	79738	23.26	ug/l	100
61) 1,2-Dibromoethane	9.13	107	61258	22.10	ug/l	97
64) Tetrachloroethene	8.29	164	61928	20.92	ug/l	96
65) Chlorobenzene	9.94	112	174992	21.90	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	73538	23.13	ug/l	93
67) Ethyl Benzene	10.04	91	297944	21.46	ug/l	99
68) m/p-Xylenes	10.26	106	214578	41.28	ug/l	90
69) o-Xylene	10.83	106	117450	20.90	ug/l	99
70) Styrene	10.89	104	183266	21.56	ug/l	99
71) Bromoform	10.88	173	52633	24.38	ug/l #	90
73) Isopropylbenzene	11.22	105	357002	21.44	ug/l	94
74) N-amyl acetate	11.46	43	123648	20.79	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	82951	21.02	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	61074	20.95	ug/l	100
77) Bromobenzene	11.59	156	87218	20.82	ug/l	81
78) n-propylbenzene	11.68	91	405768	20.59	ug/l	96
79) 2-Chlorotoluene	11.81	91	247023	21.22	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	303356	22.02	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	37504	19.84	ug/l #	88
82) 4-Chlorotoluene	11.99	91	262934	21.22	ug/l	99
83) tert-Butylbenzene	12.22	119	297217	21.72	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	305513	21.40	ug/l	96
85) sec-Butylbenzene	12.38	105	392810	21.13	ug/l	98
86) p-Isopropyltoluene	12.54	119	335153	21.95	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	169028	21.85	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	163087	21.88	ug/l	97
89) n-Butylbenzene	12.92	91	338358	19.42	ug/l	93
90) Hexachloroethane	12.99	117	79258	21.08	ug/l	76
91) 1,2-Dichlorobenzene	13.01	146	163402	21.93	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	20154	26.03	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	122530	23.51	ug/l	96
94) Hexachlorobutadiene	14.26	225	70589	23.40	ug/l	98
95) Naphthalene	14.52	128	244249	21.94	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	112835	23.43	ug/l	95

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

