

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059231.D
 Acq On : 20 Jun 2018 17:45
 Operator : VA/AP
 Sample : VF0620SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0620SBS01

Manual Integrations
 APPROVED

apatel
 6/21/2018 9:45:46 AM

Quant Time: Jun 21 07:04:46 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	256710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	401007	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	391453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	251422	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	180586	58.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.00%	
35) Dibromofluoromethane	4.29	113	152817	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
50) Toluene-d8	7.70	98	403787	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.50	95	218282	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	55498	19.10	ug/l	98
3) Chloromethane	1.09	50	33182	14.74	ug/l	94
4) Vinyl Chloride	1.14	62	33847	16.67	ug/l	95
5) Bromomethane	1.34	94	18923	15.99	ug/l	96
6) Chloroethane	1.43	64	15280	18.14	ug/l	94
7) Trichlorofluoromethane	1.48	101	65796m	20.85	ug/l	
8) Diethyl Ether	1.70	74	14930	18.80	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	1.89	101	37487	18.64	ug/l	94
10) Methyl Iodide	1.96	142	66946	19.02	ug/l #	85
11) Tert butyl alcohol	2.69	59	22714	113.86	ug/l	95
12) 1,1-Dichloroethene	1.85	96	33080	19.56	ug/l	98
13) Acrolein	2.09	56	9915	57.42	ug/l #	80
14) Allyl chloride	2.18	41	61508	18.53	ug/l	96
15) Acrylonitrile	3.08	53	47866	120.82	ug/l	92
16) Acetone	2.34	43	91938m	123.68	ug/l	
17) Carbon Disulfide	1.86	76	74712	15.73	ug/l	98
18) Methyl Acetate	2.45	43	27252m	21.33	ug/l	
19) Methyl tert-butyl Ether	2.53	73	121309	23.10	ug/l	97
20) Methylene Chloride	2.32	84	39003m	21.91	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	35267	19.01	ug/l	86
22) Diisopropyl ether	2.92	45	141055	21.61	ug/l	98
23) Vinyl Acetate	3.33	43	491500	114.22	ug/l	99
24) 1,1-Dichloroethane	3.00	63	88470	22.36	ug/l	99
25) 2-Butanone	4.51	43	121589	105.51	ug/l	99
26) 2,2-Dichloropropane	3.76	77	60421	21.05	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	54039	18.93	ug/l	97
28) Bromochloromethane	3.88	49	42503	23.87	ug/l #	95
29) Tetrahydrofuran	4.25	42	51409	101.24	ug/l	98
30) Chloroform	4.03	83	123446	21.81	ug/l	95
31) Cyclohexane	3.87	56	59120	17.10	ug/l	87
32) 1,1,1-Trichloroethane	4.27	97	88855	21.03	ug/l	95
36) 1,1-Dichloropropene	4.45	75	79840	20.54	ug/l	96
37) Ethyl Acetate	4.28	43	54331	22.62	ug/l	85
38) Carbon Tetrachloride	4.16	117	94940m	22.54	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	74460	18.79	ug/l	97
40) Benzene	4.80	78	177468	19.67	ug/l	97
41) Methacrylonitrile	4.91	41	26171	22.18	ug/l	94
42) 1,2-Dichloroethane	5.11	62	99899	24.69	ug/l	97
43) Isopropyl Acetate	7.11	43	64295	19.99	ug/l #	93
44) Trichloroethene	5.67	130	61126	21.68	ug/l	98
45) 1,2-Dichloropropane	6.39	63	50091	19.26	ug/l	98
46) Dibromomethane	6.25	93	42220	21.57	ug/l	90
47) Bromodichloromethane	6.55	83	101316	22.75	ug/l	97
48) Methyl methacrylate	6.87	41	42921	21.65	ug/l	96
49) 1,4-Dioxane	6.86	88	4775	315.78	ug/l #	89
51) 4-Methyl-2-Pentanone	8.40	43	248565	112.75	ug/l	99
52) Toluene	7.78	92	126082	19.40	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	93289	21.63	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	101170	20.42	ug/l	92
55) 1,1,2-Trichloroethane	8.64	97	50976	21.65	ug/l	96
56) Ethyl methacrylate	8.75	69	61701	20.79	ug/l	97
57) 1,3-Dichloropropane	8.99	76	86426	21.46	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	23620	111.29	ug/l	100
59) 2-Hexanone	9.63	43	201320	115.45	ug/l	94
60) Dibromochloromethane	8.86	129	75984	22.45	ug/l	93
61) 1,2-Dibromoethane	9.13	107	60898	22.26	ug/l	99
64) Tetrachloroethene	8.30	164	60114	20.94	ug/l	94
65) Chlorobenzene	9.94	112	163352	21.07	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	69511	22.54	ug/l	96
67) Ethyl Benzene	10.04	91	280435	20.82	ug/l	98
68) m/p-Xylenes	10.26	106	210689	41.78	ug/l	85
69) o-Xylene	10.82	106	118744	21.79	ug/l	93
70) Styrene	10.89	104	178607	21.66	ug/l	97
71) Bromoform	10.88	173	51933	24.80	ug/l #	88
73) Isopropylbenzene	11.23	105	347651	19.97	ug/l	100
74) N-amyl acetate	11.47	43	121600	19.56	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	84950	20.58	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	64652	21.21	ug/l	94
77) Bromobenzene	11.59	156	87227	19.91	ug/l	86
78) n-propylbenzene	11.68	91	398142	19.32	ug/l	97
79) 2-Chlorotoluene	11.81	91	236577	19.44	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	284741	19.76	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	36025	18.23	ug/l	93
82) 4-Chlorotoluene	11.99	91	258290	19.93	ug/l	95
83) tert-Butylbenzene	12.21	119	297507	20.80	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	313167	20.98	ug/l	90
85) sec-Butylbenzene	12.38	105	395438	20.34	ug/l	96
86) p-Isopropyltoluene	12.54	119	317815	19.91	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	164039	20.28	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	155416	19.94	ug/l	97
89) n-Butylbenzene	12.91	91	337902	18.47	ug/l	93
90) Hexachloroethane	12.99	117	77748	19.77	ug/l	85
91) 1,2-Dichlorobenzene	13.02	146	164213	21.08	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17025	21.03	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	119955	22.01	ug/l	94
94) Hexachlorobutadiene	14.25	225	67181	21.30	ug/l	97
95) Naphthalene	14.52	128	245799	21.12	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	111251	22.09	ug/l	98

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

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