

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061818\
 Data File : VF059171.D
 Acq On : 18 Jun 2018 13:10
 Operator : VA/AP
 Sample : VF0618SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0618SBS01

Manual Integrations
 APPROVED

apatel
 6/19/2018 3:33:36 PM

Quant Time: Jun 19 03:45:08 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	268592	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	416858	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	416341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	250462	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	186953	57.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.78%	
35) Dibromofluoromethane	4.28	113	156843	53.62	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.24%	
50) Toluene-d8	7.71	98	427580	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	11.50	95	228145	51.76	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	62532	20.570	ug/l	98
3) Chloromethane	1.08	50	40826	17.338	ug/l	97
4) Vinyl Chloride	1.15	62	37144	17.484	ug/l	90
5) Bromomethane	1.34	94	24475	19.772	ug/l	91
6) Chloroethane	1.43	64	18181	20.625	ug/l	100
7) Trichlorofluoromethane	1.49	101	71868m	21.763	ug/l	
8) Diethyl Ether	1.70	74	17408	20.952	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	39100	18.578	ug/l #	88
10) Methyl Iodide	1.96	142	69793	18.952	ug/l	93
11) Tert butyl alcohol	2.69	59	24599	117.859	ug/l #	94
12) 1,1-Dichloroethene	1.85	96	32965	18.627	ug/l	78
13) Acrolein	2.09	56	13741	76.063	ug/l #	70
14) Allyl chloride	2.18	41	65603	18.886	ug/l	95
15) Acrylonitrile	3.07	53	43204	104.225	ug/l	96
16) Acetone	2.33	43	95478	122.762	ug/l	94
17) Carbon Disulfide	1.84	76	83629	16.830	ug/l	95
18) Methyl Acetate	2.44	43	32870m	24.585	ug/l	
19) Methyl tert-butyl Ether	2.53	73	121779	22.166	ug/l	98
20) Methylene Chloride	2.27	84	41357m	22.208	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	36883	19.003	ug/l	97
22) Diisopropyl ether	2.91	45	145925	21.371	ug/l	99
23) Vinyl Acetate	3.33	43	498817	110.795	ug/l	96
24) 1,1-Dichloroethane	2.99	63	86567	20.912	ug/l	99
25) 2-Butanone	4.50	43	129407	107.322	ug/l	98
26) 2,2-Dichloropropane	3.75	77	62703	20.878	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	56088	18.776	ug/l	94
28) Bromochloromethane	3.88	49	40720	21.854	ug/l #	94
29) Tetrahydrofuran	4.25	42	59244	111.508	ug/l	98
30) Chloroform	4.03	83	124161	20.966	ug/l	98
31) Cyclohexane	3.85	56	61537	17.017	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	96101	21.737	ug/l	99
36) 1,1-Dichloropropene	4.44	75	82727	20.474	ug/l	93
37) Ethyl Acetate	4.27	43	58700	23.512	ug/l	97
38) Carbon Tetrachloride	4.17	117	98228m	22.431	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	78609	19.086	ug/l	100
40) Benzene	4.80	78	178427	19.025	ug/l	99
41) Methacrylonitrile	4.91	41	29591	24.125	ug/l #	89
42) 1,2-Dichloroethane	5.11	62	98376	23.388	ug/l	98
43) Isopropyl Acetate	7.10	43	74837	22.382	ug/l #	96
44) Trichloroethene	5.66	130	63946	21.821	ug/l	90
45) 1,2-Dichloropropane	6.39	63	54055	19.989	ug/l	97
46) Dibromomethane	6.25	93	44259	21.753	ug/l	93
47) Bromodichloromethane	6.54	83	103727	22.410	ug/l #	97
48) Methyl methacrylate	6.87	41	45432	22.041	ug/l	89
49) 1,4-Dioxane	6.86	88	5026	319.714	ug/l #	72
51) 4-Methyl-2-Pentanone	8.40	43	268147	117.008	ug/l	99
52) Toluene	7.77	92	129790	19.214	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	98993	22.084	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	112921	21.929	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	51459	21.022	ug/l	96
56) Ethyl methacrylate	8.75	69	64498	20.903	ug/l #	85
57) 1,3-Dichloropropane	9.00	76	88632	21.166	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	22891	103.753	ug/l	100
59) 2-Hexanone	9.63	43	220210	121.481	ug/l	95
60) Dibromochloromethane	8.86	129	81232	23.093	ug/l	89
61) 1,2-Dibromoethane	9.12	107	60480	21.263	ug/l	96
64) Tetrachloroethene	8.30	164	61526	20.148	ug/l	97
65) Chlorobenzene	9.93	112	169762	20.591	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	73741	22.485	ug/l	97
67) Ethyl Benzene	10.03	91	304031	21.223	ug/l	99
68) m/p-Xylenes	10.26	106	213420	39.792	ug/l	90
69) o-Xylene	10.82	106	116568	20.110	ug/l	89
70) Styrene	10.90	104	169462	19.322	ug/l	98
71) Bromoform	10.88	173	51910	23.307	ug/l #	97
73) Isopropylbenzene	11.22	105	352573	20.332	ug/l	98
74) N-amyl acetate	11.46	43	127698	20.615	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	83562	20.326	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	63960	21.065	ug/l	93
77) Bromobenzene	11.59	156	92213	21.130	ug/l	85
78) n-propylbenzene	11.69	91	404773	19.721	ug/l	97
79) 2-Chlorotoluene	11.81	91	243252	20.061	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	300107	20.910	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	39001	19.812	ug/l #	86
82) 4-Chlorotoluene	11.98	91	263808	20.436	ug/l	95
83) tert-Butylbenzene	12.21	119	307699	21.592	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	311617	20.955	ug/l	90
85) sec-Butylbenzene	12.39	105	391839	20.235	ug/l	98
86) p-Isopropyltoluene	12.54	119	337278	21.206	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	159886	19.843	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	161958	20.858	ug/l	100
89) n-Butylbenzene	12.91	91	339414	18.634	ug/l	94
90) Hexachloroethane	12.99	117	80998	20.680	ug/l	90
91) 1,2-Dichlorobenzene	13.02	146	167503	21.580	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	18520	22.966	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	120788	22.248	ug/l	95
94) Hexachlorobutadiene	14.25	225	68319	21.746	ug/l	98
95) Naphthalene	14.52	128	257868	22.237	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	114425	22.807	ug/l	98

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

