

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061828.D
 Acq On : 4 Mar 2019 19:24
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF030419

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 10:47:52 AM

Quant Time: Mar 05 05:33:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	307777	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	448941	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	389189	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	204084	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	113899	50.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.94%	
35) Dibromofluoromethane	4.11	113	154195	46.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.50%	
50) Toluene-d8	7.56	98	490583	51.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	11.41	95	187744	48.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	177592	50.245	ug/l	96
3) Chloromethane	1.11	50	170668	46.021	ug/l	94
4) Vinyl Chloride	1.14	62	170938	49.583	ug/l	93
5) Bromomethane	1.33	94	116274	49.005	ug/l	94
6) Chloroethane	1.38	64	86945	51.176	ug/l	99
7) Trichlorofluoromethane	1.50	101	213539m	51.355	ug/l	
8) Diethyl Ether	1.64	74	46342	44.224	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.83	101	152207	50.741	ug/l #	93
10) Methyl Iodide	1.91	142	276369m	48.231	ug/l	
11) Tert butyl alcohol	2.58	59	31452	240.791	ug/l #	90
12) 1,1-Dichloroethene	1.80	96	138561	52.538	ug/l	93
13) Acrolein	2.00	56	43979	267.894	ug/l	97
14) Allyl chloride	2.10	41	150026	46.357	ug/l	98
15) Acrylonitrile	2.95	53	103794	224.026	ug/l	95
16) Acetone	2.24	43	112358	232.027	ug/l	95
17) Carbon Disulfide	1.85	76	427597m	51.580	ug/l	
18) Methyl Acetate	2.35	43	49923	45.764	ug/l	95
19) Methyl tert-butyl Ether	2.44	73	240194	53.290	ug/l	98
20) Methylene Chloride	2.18	84	134368m	45.934	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	137187	47.850	ug/l	96
22) Diisopropyl ether	2.80	45	399222	51.390	ug/l	99
23) Vinyl Acetate	3.20	43	919183	242.249	ug/l	99
24) 1,1-Dichloroethane	2.87	63	237260	50.468	ug/l	98
25) 2-Butanone	4.34	43	230675	218.082	ug/l	97
26) 2,2-Dichloropropane	3.60	77	106489	53.476	ug/l	96
27) cis-1,2-Dichloroethene	3.48	96	180379	47.933	ug/l	96
28) Bromochloromethane	3.72	49	99380	44.057	ug/l	97
29) Tetrahydrofuran	4.08	42	101120	210.337	ug/l	98
30) Chloroform	3.87	83	262686	49.133	ug/l	98
31) Cyclohexane	3.69	56	239764	47.111	ug/l	100
32) 1,1,1-Trichloroethane	4.10	97	177546	50.695	ug/l	99
36) 1,1-Dichloropropene	4.28	75	220614	49.606	ug/l	93
37) Ethyl Acetate	4.11	43	89505	43.330	ug/l #	72
38) Carbon Tetrachloride	4.00	117	160723	52.337	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	260763	49.578	ug/l	97
40) Benzene	4.64	78	571781	49.153	ug/l	99
41) Methacrylonitrile	4.76	41	49671	47.020	ug/l	93
42) 1,2-Dichloroethane	4.94	62	144167	51.810	ug/l	98
43) Isopropyl Acetate	6.96	43	115449	47.216	ug/l #	100
44) Trichloroethene	5.50	130	171126	45.491	ug/l	94
45) 1,2-Dichloropropane	6.24	63	139968	49.778	ug/l	99
46) Dibromomethane	6.09	93	89797	51.868	ug/l	84
47) Bromodichloromethane	6.39	83	192098	50.669	ug/l	98
48) Methyl methacrylate	6.73	41	69781	47.424	ug/l	93
49) 1,4-Dioxane	6.71	88	13430	970.920	ug/l #	86
51) 4-Methyl-2-Pentanone	8.27	43	395022	226.101	ug/l	100
52) Toluene	7.62	92	359569	50.966	ug/l	94
53) t-1,3-Dichloropropene	8.29	75	158667	50.286	ug/l	96
54) cis-1,3-Dichloropropene	7.30	75	212812	50.635	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	96755	46.678	ug/l	95
56) Ethyl methacrylate	8.62	69	110732	47.982	ug/l	94
57) 1,3-Dichloropropane	8.86	76	162942	47.095	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	90157	226.423	ug/l	95
59) 2-Hexanone	9.50	43	281012	229.459	ug/l	98
60) Dibromochloromethane	8.72	129	145652	50.484	ug/l	98
61) 1,2-Dibromoethane	8.99	107	111212	49.466	ug/l	99
64) Tetrachloroethene	8.16	164	161103	50.643	ug/l	94
65) Chlorobenzene	9.80	112	388600	49.205	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	154916	50.059	ug/l	99
67) Ethyl Benzene	9.90	91	673085	51.249	ug/l	99
68) m/p-Xylenes	10.13	106	489048	97.296	ug/l	99
69) o-Xylene	10.71	106	270538	50.441	ug/l	88
70) Styrene	10.79	104	356495	46.985	ug/l	97
71) Bromoform	10.77	173	78925	46.967	ug/l	98
73) Isopropylbenzene	11.13	105	755107	51.967	ug/l	99
74) N-amyl acetate	11.37	43	176145	50.505	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	127904	49.134	ug/l	95
76) 1,2,3-Trichloropropane	11.80	75	86325	48.775	ug/l	98
77) Bromobenzene	11.50	156	179529	50.013	ug/l	98
78) n-propylbenzene	11.60	91	849346	50.938	ug/l	99
79) 2-Chlorotoluene	11.72	91	494441	52.948	ug/l	91
80) 1,3,5-Trimethylbenzene	11.83	105	612976	52.782	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	43128m	50.829	ug/l	
82) 4-Chlorotoluene	11.90	91	481470	49.674	ug/l	100
83) tert-Butylbenzene	12.13	119	663866	51.611	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	573925	49.744	ug/l	100
85) sec-Butylbenzene	12.31	105	841396	50.583	ug/l	100
86) p-Isopropyltoluene	12.46	119	713054	51.079	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	338334	48.347	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	333650	49.575	ug/l	98
89) n-Butylbenzene	12.84	91	635922	48.242	ug/l	98
90) Hexachloroethane	12.92	117	173962	53.582	ug/l	99
91) 1,2-Dichlorobenzene	12.94	146	312651	46.971	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	20710	50.178	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	222654	46.667	ug/l	99
94) Hexachlorobutadiene	14.19	225	154889	52.565	ug/l	99
95) Naphthalene	14.46	128	421274	50.467	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	212060	48.425	ug/l	99

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

