

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010819\
 Data File : VF061287.D
 Acq On : 8 Jan 2019 15:30
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:44:55 AM

Quant Time: Jan 09 06:20:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 15:56:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	172492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	301738	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	285262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	142655	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	102159	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
35) Dibromofluoromethane	4.11	113	123872	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
50) Toluene-d8	7.57	98	365677	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
62) 4-Bromofluorobenzene	11.41	95	153592	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	172119	51.969	ug/l	100
3) Chloromethane	1.08	50	147531	58.146	ug/l	100
4) Vinyl Chloride	1.13	62	140271	63.826	ug/l	100
5) Bromomethane	1.28	94	104254	69.386	ug/l	100
6) Chloroethane	1.36	64	71327	71.615	ug/l	100
7) Trichlorofluoromethane	1.45	101	240740	60.873	ug/l	100
8) Diethyl Ether	1.63	74	36213	64.184	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.81	101	128319	64.942	ug/l	100
10) Methyl Iodide	1.85	142	197545	61.879	ug/l	100
11) Tert butyl alcohol	2.57	59	17709	191.671	ug/l	100
12) 1,1-Dichloroethene	1.75	96	102653	61.805	ug/l	100
13) Acrolein	2.00	56	23520	271.971	ug/l	100
14) Allyl chloride	2.09	41	185500	80.786	ug/l	100
15) Acrylonitrile	2.94	53	70374	284.909	ug/l	100
16) Acetone	2.23	43	112753	257.132	ug/l	100
17) Carbon Disulfide	1.77	76	343252	67.869	ug/l	100
18) Methyl Acetate	2.34	43	46212	47.623	ug/l	100
19) Methyl tert-butyl Ether	2.43	73	201332	58.153	ug/l	100
20) Methylene Chloride	2.18	84	102152	50.196	ug/l	100
21) trans-1,2-Dichloroethene	2.31	96	110780	63.416	ug/l	100
22) Diisopropyl ether	2.79	45	358315	62.059	ug/l	100
23) Vinyl Acetate	3.19	43	520088	196.693	ug/l	100
24) 1,1-Dichloroethane	2.87	63	202002	59.673	ug/l	100
25) 2-Butanone	4.33	43	175247	212.899	ug/l	100
26) 2,2-Dichloropropane	3.60	77	141191	72.428	ug/l	100
27) cis-1,2-Dichloroethene	3.47	96	141155	54.989	ug/l	100
28) Bromochloromethane	3.72	49	88241	55.065	ug/l	100
29) Tetrahydrofuran	4.08	42	76909	240.306	ug/l	100
30) Chloroform	3.87	83	259312	54.765	ug/l	100
31) Cyclohexane	3.70	56	212410	59.201	ug/l	100
32) 1,1,1-Trichloroethane	4.10	97	219275	71.296	ug/l	100
36) 1,1-Dichloropropene	4.28	75	182178	51.264	ug/l	100
37) Ethyl Acetate	4.11	43	62398	43.977	ug/l	100
38) Carbon Tetrachloride	4.00	117	185694	65.268	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	241567	63.592	ug/l	100
40) Benzene	4.64	78	417924	51.818	ug/l	100
41) Methacrylonitrile	4.75	41	36028	44.655	ug/l	100
42) 1,2-Dichloroethane	4.94	62	131648	48.786	ug/l	100
43) Isopropyl Acetate	6.97	43	86565	45.723	ug/l	100
44) Trichloroethene	5.52	130	125439	49.966	ug/l	100
45) 1,2-Dichloropropane	6.25	63	110757	53.790	ug/l	100
46) Dibromomethane	6.09	93	66197	48.858	ug/l	100
47) Bromodichloromethane	6.39	83	172195	49.927	ug/l	100
48) Methyl methacrylate	6.72	41	60718	49.528	ug/l	100
49) 1,4-Dioxane	6.71	88	6893	811.474	ug/l	100
51) 4-Methyl-2-Pentanone	8.27	43	338229	257.223	ug/l	100
52) Toluene	7.64	92	277219	52.641	ug/l	100
53) t-1,3-Dichloropropene	8.29	75	133338	47.425	ug/l	100
54) cis-1,3-Dichloropropene	7.31	75	177746	49.741	ug/l	100
55) 1,1,2-Trichloroethane	8.49	97	77182	50.964	ug/l	100
56) Ethyl methacrylate	8.63	69	87975	52.563	ug/l	100
57) 1,3-Dichloropropane	8.86	76	140769	49.448	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	21258	104.589	ug/l	100
59) 2-Hexanone	9.50	43	224989	236.346	ug/l	100
60) Dibromochloromethane	8.72	129	112395	52.249	ug/l	100
61) 1,2-Dibromoethane	9.00	107	78774	48.196	ug/l	100
64) Tetrachloroethene	8.16	164	109624	50.145	ug/l	100
65) Chlorobenzene	9.81	112	293297	50.563	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	123669	51.915	ug/l	100
67) Ethyl Benzene	9.90	91	581133	54.500	ug/l	100
68) m/p-Xylenes	10.14	106	393545	101.132	ug/l	100
69) o-Xylene	10.72	106	232516	55.235	ug/l	100
70) Styrene	10.79	104	306765	52.936	ug/l	100
71) Bromoform	10.78	173	53653	48.378	ug/l	100
73) Isopropylbenzene	11.13	105	667545	55.089	ug/l	100
74) N-amyl acetate	11.37	43	151237	49.434	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.70	83	105920	50.043	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	72429	46.096	ug/l	100
77) Bromobenzene	11.50	156	128676	50.583	ug/l	100
78) n-propylbenzene	11.60	91	766846	53.092	ug/l	100
79) 2-Chlorotoluene	11.73	91	429932	51.541	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	506076	51.732	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.88	75	32226m	44.749	ug/l	
82) 4-Chlorotoluene	11.91	91	418374	49.476	ug/l	100
83) tert-Butylbenzene	12.13	119	511646	50.726	ug/l	100
84) 1,2,4-Trimethylbenzene	12.21	105	519268	53.319	ug/l	100
85) sec-Butylbenzene	12.31	105	737705	53.919	ug/l	100
86) p-Isopropyltoluene	12.47	119	607220	53.864	ug/l	100
87) 1,3-Dichlorobenzene	12.48	146	243956	49.699	ug/l	100
88) 1,4-Dichlorobenzene	12.57	146	243147	50.768	ug/l	100
89) n-Butylbenzene	12.85	91	616703	53.245	ug/l	100
90) Hexachloroethane	12.92	117	139681	50.223	ug/l	100
91) 1,2-Dichlorobenzene	12.95	146	242592	51.160	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.65	75	19118	50.262	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	172218	51.866	ug/l	100
94) Hexachlorobutadiene	14.20	225	110462	52.214	ug/l	100
95) Naphthalene	14.46	128	328004	52.848	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	162086	52.648	ug/l	100

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

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