

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062078.D
 Acq On : 22 Mar 2019 12:25
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 11:57:11 AM

Quant Time: Mar 23 01:07:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 00:41:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	295115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	435863	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	378393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	190594	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	118671	54.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.12%	
35) Dibromofluoromethane	4.15	113	161044	54.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.24%	
50) Toluene-d8	7.59	98	498870	56.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.36%	
62) 4-Bromofluorobenzene	11.44	95	182668	53.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	185610	49.095	ug/l	100
3) Chloromethane	1.10	50	196343	49.633	ug/l	100
4) Vinyl Chloride	1.15	62	184729	50.484	ug/l	100
5) Bromomethane	1.33	94	128743	48.946	ug/l	100
6) Chloroethane	1.42	64	92571	50.255	ug/l	100
7) Trichlorofluoromethane	1.51	101	228160	53.756	ug/l	100
8) Diethyl Ether	1.64	74	50762	50.285	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.86	101	153328	50.857	ug/l	100
10) Methyl Iodide	1.93	142	286688m	50.999	ug/l	
11) Tert butyl alcohol	2.59	59	31334	259.435	ug/l	100
12) 1,1-Dichloroethene	1.82	96	141832	49.858	ug/l	100
13) Acrolein	2.02	56	38375	263.623	ug/l	100
14) Allyl chloride	2.12	41	153637	50.586	ug/l	100
15) Acrylonitrile	2.97	53	104657	246.419	ug/l	100
16) Acetone	2.26	43	137303	297.198	ug/l	100
17) Carbon Disulfide	1.85	76	446483m	52.509	ug/l	
18) Methyl Acetate	2.36	43	49979	45.668	ug/l	100
19) Methyl tert-butyl Ether	2.45	73	224303	49.890	ug/l	100
20) Methylene Chloride	2.20	84	139154m	45.087	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	140077	52.984	ug/l	100
22) Diisopropyl ether	2.83	45	386640	48.555	ug/l	100
23) Vinyl Acetate	3.21	43	823167	252.487	ug/l	100
24) 1,1-Dichloroethane	2.90	63	231850	48.553	ug/l	100
25) 2-Butanone	4.37	43	255964	265.394	ug/l	100
26) 2,2-Dichloropropane	3.63	77	99694	51.492	ug/l	100
27) cis-1,2-Dichloroethene	3.51	96	174897	48.222	ug/l	100
28) Bromochloromethane	3.75	49	103035	52.811	ug/l	100
29) Tetrahydrofuran	4.11	42	101314	241.606	ug/l	100
30) Chloroform	3.89	83	246398	48.825	ug/l	100
31) Cyclohexane	3.72	56	248374m	53.001	ug/l	
32) 1,1,1-Trichloroethane	4.13	97	150281	48.954	ug/l	100
36) 1,1-Dichloropropene	4.32	75	211835	51.025	ug/l	100
37) Ethyl Acetate	4.15	43	89641	49.406	ug/l	100
38) Carbon Tetrachloride	4.02	117	146553	51.793	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	261474	54.266	ug/l	100
40) Benzene	4.67	78	571878	51.384	ug/l	100
41) Methacrylonitrile	4.78	41	49966	52.048	ug/l	100
42) 1,2-Dichloroethane	4.98	62	136256	51.771	ug/l	100
43) Isopropyl Acetate	6.99	43	111331	50.667	ug/l	100
44) Trichloroethene	5.54	130	175070	51.450	ug/l	100
45) 1,2-Dichloropropane	6.27	63	135297	50.969	ug/l	100
46) Dibromomethane	6.12	93	83271	51.305	ug/l	100
47) Bromodichloromethane	6.42	83	183265	50.977	ug/l	100
48) Methyl methacrylate	6.75	41	64400	51.476	ug/l	100
49) 1,4-Dioxane	6.74	88	12614	1149.050	ug/l	100
51) 4-Methyl-2-Pentanone	8.29	43	372177	253.066	ug/l	100
52) Toluene	7.66	92	327408	50.790	ug/l	100
53) t-1,3-Dichloropropene	8.31	75	142450	50.475	ug/l	100
54) cis-1,3-Dichloropropene	7.33	75	207364	51.352	ug/l	100
55) 1,1,2-Trichloroethane	8.53	97	96847	52.891	ug/l	100
56) Ethyl methacrylate	8.66	69	115939	53.092	ug/l	100
57) 1,3-Dichloropropane	8.88	76	162507	53.474	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.32	63	90689	273.682	ug/l	100
59) 2-Hexanone	9.52	43	300254	278.563	ug/l	100
60) Dibromochloromethane	8.74	129	135151	53.094	ug/l	100
61) 1,2-Dibromoethane	9.02	107	106436	54.484	ug/l	100
64) Tetrachloroethene	8.18	164	146692	50.179	ug/l	100
65) Chlorobenzene	9.83	112	359472	50.773	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.97	131	145011	50.990	ug/l	100
67) Ethyl Benzene	9.93	91	617287	50.134	ug/l	100
68) m/p-Xylenes	10.16	106	457967	99.515	ug/l	100
69) o-Xylene	10.74	106	258348	53.600	ug/l	100
70) Styrene	10.81	104	351891	48.185	ug/l	100
71) Bromoform	10.79	173	72919	50.129	ug/l	100
73) Isopropylbenzene	11.15	105	691877	51.589	ug/l	100
74) N-amyl acetate	11.40	43	169267	52.968	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.72	83	121450	52.741	ug/l	100
76) 1,2,3-Trichloropropane	11.82	75	80393	49.607	ug/l	100
77) Bromobenzene	11.52	156	162539	49.606	ug/l	100
78) n-propylbenzene	11.61	91	787008	50.536	ug/l	100
79) 2-Chlorotoluene	11.74	91	447740	51.727	ug/l	100
80) 1,3,5-Trimethylbenzene	11.85	105	573827	52.017	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.89	75	35888m	41.060	ug/l	
82) 4-Chlorotoluene	11.92	91	442829	49.896	ug/l	100
83) tert-Butylbenzene	12.16	119	603974	52.302	ug/l	100
84) 1,2,4-Trimethylbenzene	12.22	105	551608	51.007	ug/l	100
85) sec-Butylbenzene	12.32	105	768189	51.422	ug/l	100
86) p-Isopropyltoluene	12.48	119	640960	49.523	ug/l	100
87) 1,3-Dichlorobenzene	12.50	146	299533	49.204	ug/l	100
88) 1,4-Dichlorobenzene	12.59	146	307731	51.805	ug/l	100
89) n-Butylbenzene	12.87	91	636453	51.542	ug/l	100
90) Hexachloroethane	12.93	117	163332	52.998	ug/l	100
91) 1,2-Dichlorobenzene	12.96	146	291328	50.966	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.66	75	18823	53.948	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	195891	49.171	ug/l	100
94) Hexachlorobutadiene	14.21	225	136342	51.471	ug/l	100
95) Naphthalene	14.47	128	378797	54.258	ug/l	100
96) 1,2,3-Trichlorobenzene	14.62	180	192723	51.681	ug/l	100

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

