

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062621.D
 Acq On : 16 May 2019 12:01
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 4:20:09 PM

Quant Time: May 17 05:14:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	773771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1241783	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	960209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	500587	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	266631	48.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.52%	
35) Dibromofluoromethane	4.32	113	470723	49.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.08%	
50) Toluene-d8	7.72	98	1123322	49.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.50	95	415965	48.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	531489	50.474	ug/l	100
3) Chloromethane	1.14	50	517584	53.383	ug/l	100
4) Vinyl Chloride	1.19	62	492853	55.223	ug/l	100
5) Bromomethane	1.40	94	262985	53.863	ug/l	100
6) Chloroethane	1.44	64	193884	59.151	ug/l	100
7) Trichlorofluoromethane	1.55	101	664329	58.843	ug/l	100
8) Diethyl Ether	1.72	74	116137	48.920	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	414657	54.342	ug/l	100
10) Methyl Iodide	1.98	142	813163	54.249	ug/l	100
11) Tert butyl alcohol	2.70	59	91396	253.180	ug/l	100
12) 1,1-Dichloroethene	1.87	96	377367	54.290	ug/l	100
13) Acrolein	2.11	56	105103	278.918	ug/l	100
14) Allyl chloride	2.20	41	352081m	51.552	ug/l	
15) Acrylonitrile	3.10	53	245406	240.997	ug/l	100
16) Acetone	2.36	43	395977	279.145	ug/l	100
17) Carbon Disulfide	1.92	76	1159780	58.557	ug/l	100
18) Methyl Acetate	2.46	43	110918	45.754	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	676067	54.408	ug/l	100
20) Methylene Chloride	2.34	84	359146m	50.805	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	367407	54.078	ug/l	100
22) Diisopropyl ether	2.95	45	797136	51.375	ug/l	100
23) Vinyl Acetate	3.35	43	2773407	264.973	ug/l	100
24) 1,1-Dichloroethane	3.02	63	609523	53.549	ug/l	100
25) 2-Butanone	4.53	43	831197	274.260	ug/l	100
26) 2,2-Dichloropropane	3.79	77	351152	53.918	ug/l	100
27) cis-1,2-Dichloroethene	3.66	96	589719	52.769	ug/l	100
28) Bromochloromethane	3.91	49	294646	46.155	ug/l	100
29) Tetrahydrofuran	4.28	42	305727	249.285	ug/l	100
30) Chloroform	4.06	83	853895	54.031	ug/l	100
31) Cyclohexane	3.88	56	827391	58.387	ug/l	100
32) 1,1,1-Trichloroethane	4.30	97	578337	55.103	ug/l	100
36) 1,1-Dichloropropene	4.49	75	701308	55.115	ug/l	100
37) Ethyl Acetate	4.31	43	257580	49.578	ug/l	100
38) Carbon Tetrachloride	4.20	117	585150m	65.271	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	865666	56.540	ug/l	100
40) Benzene	4.83	78	1846726	53.274	ug/l	100
41) Methacrylonitrile	4.94	41	145661	53.477	ug/l	100
42) 1,2-Dichloroethane	5.14	62	386542	55.917	ug/l	100
43) Isopropyl Acetate	7.12	43	336299	49.964	ug/l	100
44) Trichloroethene	5.69	130	530344	54.435	ug/l	100
45) 1,2-Dichloropropane	6.42	63	483881	55.297	ug/l	100
46) Dibromomethane	6.27	93	270812	53.549	ug/l	100
47) Bromodichloromethane	6.57	83	575387	54.805	ug/l	100
48) Methyl methacrylate	6.89	41	189576	53.886	ug/l	100
49) 1,4-Dioxane	6.88	88	48461	1075.488	ug/l	100
51) 4-Methyl-2-Pentanone	8.41	43	1126475	244.844	ug/l	100
52) Toluene	7.79	92	962225	52.928	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	469239	54.630	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	648774	53.959	ug/l	100
55) 1,1,2-Trichloroethane	8.65	97	277160	51.490	ug/l	100
56) Ethyl methacrylate	8.76	69	311055	48.504	ug/l	100
57) 1,3-Dichloropropane	9.00	76	481848	52.555	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	549220	263.110	ug/l	100
59) 2-Hexanone	9.63	43	819490	243.618	ug/l	100
60) Dibromochloromethane	8.87	129	380724	54.269	ug/l	100
61) 1,2-Dibromoethane	9.14	107	297918	52.108	ug/l	100
64) Tetrachloroethene	8.31	164	396430	52.114	ug/l	100
65) Chlorobenzene	9.94	112	1018219	53.990	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	412711	54.512	ug/l	100
67) Ethyl Benzene	10.04	91	1721114	52.532	ug/l	100
68) m/p-Xylenes	10.27	106	1341100	108.911	ug/l	100
69) o-Xylene	10.82	106	671970	52.981	ug/l	100
70) Styrene	10.89	104	1018096	52.812	ug/l	100
71) Bromoform	10.89	173	192987	50.895	ug/l #	100
73) Isopropylbenzene	11.22	105	1775600	49.490	ug/l	100
74) N-amyl acetate	11.45	43	466228	42.122	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	365190	49.807	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	243882	50.622	ug/l	100
77) Bromobenzene	11.58	156	465097	52.152	ug/l	100
78) n-propylbenzene	11.68	91	2159711	50.864	ug/l	100
79) 2-Chlorotoluene	11.80	91	1194431	49.915	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	1455355	50.589	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	111180m	41.537	ug/l	
82) 4-Chlorotoluene	11.98	91	1215752	51.521	ug/l	100
83) tert-Butylbenzene	12.20	119	1509254	51.710	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	1405638	50.482	ug/l	100
85) sec-Butylbenzene	12.37	105	1976790	50.467	ug/l	100
86) p-Isopropyltoluene	12.52	119	1663168	50.383	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	820120	50.830	ug/l	100
88) 1,4-Dichlorobenzene	12.63	146	764785	50.510	ug/l	100
89) n-Butylbenzene	12.90	91	1632267	50.151	ug/l	100
90) Hexachloroethane	12.97	117	425097	53.682	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	729472	50.720	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.69	75	43699	49.959	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	510148	49.554	ug/l	100
94) Hexachlorobutadiene	14.23	225	362766	50.493	ug/l	100
95) Naphthalene	14.50	128	889305	47.549	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	494832	50.745	ug/l	100

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

