

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031519\
 Data File : VF061954.D
 Acq On : 15 Mar 2019 11:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/17/2019 5:23:01 AM

Quant Time: Mar 15 23:25:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	276779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	417916	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	367124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	186477	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	100058	49.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.28%	
35) Dibromofluoromethane	4.11	113	143393	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
50) Toluene-d8	7.56	98	431403	49.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	11.41	95	161406	47.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	161230	47.448	ug/l	91
3) Chloromethane	1.10	50	172598	52.411	ug/l	91
4) Vinyl Chloride	1.14	62	167404	53.549	ug/l	100
5) Bromomethane	1.33	94	122226	57.369	ug/l	90
6) Chloroethane	1.38	64	87162	58.654	ug/l	93
7) Trichlorofluoromethane	1.47	101	215044m	56.322	ug/l	
8) Diethyl Ether	1.63	74	49482	56.990	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.85	101	151313	58.358	ug/l	97
10) Methyl Iodide	1.92	142	274699m	55.673	ug/l	
11) Tert butyl alcohol	2.57	59	30893	270.031	ug/l	95
12) 1,1-Dichloroethene	1.80	96	134764	56.931	ug/l	93
13) Acrolein	2.00	56	33799	233.154	ug/l	93
14) Allyl chloride	2.09	41	175122	67.153	ug/l	95
15) Acrylonitrile	2.94	53	102735	282.009	ug/l	93
16) Acetone	2.24	43	138774	328.680	ug/l	97
17) Carbon Disulfide	1.82	76	396843m	53.858	ug/l	
18) Methyl Acetate	2.35	43	51702	62.299	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	231232	57.745	ug/l	100
20) Methylene Chloride	2.18	84	140063m	60.867	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	137560	61.746	ug/l	92
22) Diisopropyl ether	2.80	45	402972	59.404	ug/l	97
23) Vinyl Acetate	3.19	43	824190	271.971	ug/l	98
24) 1,1-Dichloroethane	2.87	63	235705	58.133	ug/l	99
25) 2-Butanone	4.34	43	249944	291.030	ug/l	98
26) 2,2-Dichloropropane	3.60	77	108795	60.107	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	171627	55.605	ug/l	97
28) Bromochloromethane	3.72	49	87540	49.530	ug/l #	100
29) Tetrahydrofuran	4.07	42	99000	267.289	ug/l	99
30) Chloroform	3.86	83	255977	55.272	ug/l	95
31) Cyclohexane	3.69	56	234608m	55.244	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	161329	56.515	ug/l	95
36) 1,1-Dichloropropene	4.28	75	214802	54.412	ug/l	98
37) Ethyl Acetate	4.11	43	85394	51.536	ug/l	98
38) Carbon Tetrachloride	4.00	117	156582	56.031	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	237238	50.879	ug/l	97
40) Benzene	4.64	78	539648	52.298	ug/l	99
41) Methacrylonitrile	4.76	41	46998	51.769	ug/l	95
42) 1,2-Dichloroethane	4.94	62	134204	52.188	ug/l	97
43) Isopropyl Acetate	6.96	43	102733	50.298	ug/l #	98
44) Trichloroethene	5.50	130	173803	54.199	ug/l	96
45) 1,2-Dichloropropane	6.24	63	132476	53.990	ug/l	97
46) Dibromomethane	6.09	93	85639	55.455	ug/l	94
47) Bromodichloromethane	6.39	83	186855	54.769	ug/l	97
48) Methyl methacrylate	6.72	41	68633	53.095	ug/l	91
49) 1,4-Dioxane	6.72	88	14255	1206.344	ug/l #	86
51) 4-Methyl-2-Pentanone	8.27	43	379661	268.949	ug/l	99
52) Toluene	7.63	92	339231	55.572	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	153938	54.662	ug/l	93
54) cis-1,3-Dichloropropene	7.30	75	208390	53.647	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	91766	52.175	ug/l	96
56) Ethyl methacrylate	8.63	69	105442	53.195	ug/l	97
57) 1,3-Dichloropropane	8.86	76	159883	55.585	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.30	63	77553	247.329	ug/l	97
59) 2-Hexanone	9.50	43	289005	283.788	ug/l	99
60) Dibromochloromethane	8.72	129	137984	55.045	ug/l	98
61) 1,2-Dibromoethane	9.00	107	103737	53.635	ug/l	99
64) Tetrachloroethene	8.16	164	149664	53.054	ug/l	96
65) Chlorobenzene	9.80	112	384584	54.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	149095	54.559	ug/l	96
67) Ethyl Benzene	9.90	91	630470	53.930	ug/l	100
68) m/p-Xylenes	10.14	106	466061	104.067	ug/l	93
69) o-Xylene	10.72	106	258156	53.532	ug/l	95
70) Styrene	10.80	104	350887	51.701	ug/l	97
71) Bromoform	10.78	173	75192	52.061	ug/l	95
73) Isopropylbenzene	11.13	105	750597	58.467	ug/l	99
74) N-amyl acetate	11.37	43	168174	56.902	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	122426	57.377	ug/l	95
76) 1,2,3-Trichloropropane	11.80	75	79432	54.545	ug/l	93
77) Bromobenzene	11.50	156	172024	55.677	ug/l	92
78) n-propylbenzene	11.60	91	810203	55.885	ug/l	98
79) 2-Chlorotoluene	11.73	91	452518	54.595	ug/l	98
80) 1,3,5-Trimethylbenzene	11.83	105	587784	57.026	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	40773m	61.230	ug/l	
82) 4-Chlorotoluene	11.90	91	460906	54.365	ug/l	97
83) tert-Butylbenzene	12.13	119	644293	58.868	ug/l	91
84) 1,2,4-Trimethylbenzene	12.21	105	569502	56.362	ug/l	97
85) sec-Butylbenzene	12.31	105	810515	56.908	ug/l	98
86) p-Isopropyltoluene	12.47	119	703889	58.141	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	319440	54.450	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	316033	55.844	ug/l	98
89) n-Butylbenzene	12.85	91	660974	57.128	ug/l	99
90) Hexachloroethane	12.92	117	172551	59.213	ug/l	97
91) 1,2-Dichlorobenzene	12.95	146	312223	56.172	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	19637	52.773	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	222006	56.972	ug/l	94
94) Hexachlorobutadiene	14.19	225	149396	55.380	ug/l	98
95) Naphthalene	14.46	128	400630	57.724	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	203543	56.572	ug/l	95

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

