

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061825.D
 Acq On : 4 Mar 2019 17:30
 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
 3/5/2019 10:47:25 AM

Quant Time: Mar 05 04:50:17 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	4.88	168	314879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	456249	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	398478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	215263	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	112371	48.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.34%	
35) Dibromofluoromethane	4.12	113	153714	45.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.74%	
50) Toluene-d8	7.56	98	459551	47.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.36%	
62) 4-Bromofluorobenzene	11.42	95	182557	46.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.64%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	192522	53.241	ug/l	93
3) Chloromethane	1.09	50	184198	48.550	ug/l	95
4) Vinyl Chloride	1.14	62	179127	50.787	ug/l	95
5) Bromomethane	1.32	94	124884	51.447	ug/l	99
6) Chloroethane	1.40	64	88269	50.783	ug/l	98
7) Trichlorofluoromethane	1.49	101	224661m	52.811	ug/l	
8) Diethyl Ether	1.64	74	52008	48.512	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.84	101	145942	47.555	ug/l	96
10) Methyl Iodide	1.92	142	284417m	48.516	ug/l	
11) Tert butyl alcohol	2.58	59	32447	242.806	ug/l	98
12) 1,1-Dichloroethene	1.80	96	135145	50.087	ug/l	100
13) Acrolein	2.01	56	40440	240.781	ug/l	94
14) Allyl chloride	2.10	41	149400	45.123	ug/l	97
15) Acrylonitrile	2.95	53	102308	215.839	ug/l	97
16) Acetone	2.24	43	119096	240.394	ug/l	94
17) Carbon Disulfide	1.82	76	434647m	51.247	ug/l	
18) Methyl Acetate	2.36	43	50108	44.897	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	236384	51.261	ug/l	99
20) Methylene Chloride	2.19	84	134225m	44.850	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	120230	40.990	ug/l	93
22) Diisopropyl ether	2.81	45	395274	49.734	ug/l	98
23) Vinyl Acetate	3.19	43	884514	227.855	ug/l	98
24) 1,1-Dichloroethane	2.87	63	231480	48.128	ug/l	100
25) 2-Butanone	4.35	43	243263	224.796	ug/l	98
26) 2,2-Dichloropropane	3.61	77	103602	50.853	ug/l	95
27) cis-1,2-Dichloroethene	3.48	96	184098	47.818	ug/l	98
28) Bromochloromethane	3.73	49	95085	41.202	ug/l	99
29) Tetrahydrofuran	4.08	42	100673	204.684	ug/l	98
30) Chloroform	3.86	83	272793	49.873	ug/l	93
31) Cyclohexane	3.70	56	248400m	47.707	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	163567	45.651	ug/l	97
36) 1,1-Dichloropropene	4.29	75	225455	49.883	ug/l	94
37) Ethyl Acetate	4.12	43	88184	42.007	ug/l #	77
38) Carbon Tetrachloride	4.00	117	166626	53.390	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	274448	51.344	ug/l	99
40) Benzene	4.64	78	594498	50.287	ug/l	99
41) Methacrylonitrile	4.75	41	49555	46.159	ug/l #	94
42) 1,2-Dichloroethane	4.95	62	153494	54.279	ug/l	94
43) Isopropyl Acetate	6.97	43	119564	48.116	ug/l #	99
44) Trichloroethene	5.51	130	186365	48.749	ug/l	98
45) 1,2-Dichloropropane	6.24	63	141231	49.423	ug/l	98
46) Dibromomethane	6.09	93	86732	49.295	ug/l	89
47) Bromodichloromethane	6.39	83	198301	51.467	ug/l	99
48) Methyl methacrylate	6.72	41	75444	50.451	ug/l	97
49) 1,4-Dioxane	6.71	88	15439	1098.282	ug/l	89
51) 4-Methyl-2-Pentanone	8.26	43	392929	221.301	ug/l	97
52) Toluene	7.63	92	350725	48.917	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	160661	50.102	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	222450	52.080	ug/l	95
55) 1,1,2-Trichloroethane	8.50	97	99023	47.007	ug/l	96
56) Ethyl methacrylate	8.63	69	113114	48.229	ug/l	96
57) 1,3-Dichloropropane	8.86	76	173479	49.338	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.31	63	82829	204.687	ug/l	99
59) 2-Hexanone	9.49	43	275331	221.219	ug/l	99
60) Dibromochloromethane	8.73	129	143816	49.049	ug/l	99
61) 1,2-Dibromoethane	8.99	107	112149	49.084	ug/l	96
64) Tetrachloroethene	8.16	164	165946	50.949	ug/l	99
65) Chlorobenzene	9.80	112	404986	50.085	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	152690	48.190	ug/l	99
67) Ethyl Benzene	9.91	91	678445	50.453	ug/l	98
68) m/p-Xylenes	10.14	106	487344	94.697	ug/l	96
69) o-Xylene	10.72	106	280245	51.033	ug/l	95
70) Styrene	10.80	104	381575	49.118	ug/l	98
71) Bromoform	10.78	173	83163	48.335	ug/l	99
73) Isopropylbenzene	11.13	105	772865	50.427	ug/l	99
74) N-amyl acetate	11.38	43	177779	48.327	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	127093	46.287	ug/l	93
76) 1,2,3-Trichloropropane	11.80	75	85136	45.605	ug/l	94
77) Bromobenzene	11.50	156	182743	48.264	ug/l	88
78) n-propylbenzene	11.59	91	875815	49.798	ug/l	96
79) 2-Chlorotoluene	11.72	91	487514	49.495	ug/l	95
80) 1,3,5-Trimethylbenzene	11.83	105	619688	50.589	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	37390m	41.778	ug/l	
82) 4-Chlorotoluene	11.90	91	516229	50.494	ug/l	93
83) tert-Butylbenzene	12.14	119	677031	49.901	ug/l	94
84) 1,2,4-Trimethylbenzene	12.21	105	626745	51.501	ug/l	99
85) sec-Butylbenzene	12.30	105	873416	49.782	ug/l	96
86) p-Isopropyltoluene	12.46	119	708617	48.125	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	341001	46.197	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	332361	46.819	ug/l	97
89) n-Butylbenzene	12.85	91	687503	49.446	ug/l	95
90) Hexachloroethane	12.92	117	182179	53.198	ug/l	80
91) 1,2-Dichlorobenzene	12.95	146	324292	46.190	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	19767	45.406	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	224629	44.636	ug/l	98
94) Hexachlorobutadiene	14.19	225	157026	50.523	ug/l	98
95) Naphthalene	14.45	128	420383	47.745	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	218811	47.372	ug/l	96

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

