

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\
 Data File : VF061801.D
 Acq On : 1 Mar 2019 12:59
 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
 3/4/2019 4:00:25 PM

Quant Time: Mar 02 02:51:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	287149	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.57	114	430497	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	366658	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	199929	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	126079	59.87	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	119.74%	
35) Dibromofluoromethane	4.09	113	178777	55.92	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	111.84%	
50) Toluene-d8	7.54	98	503469	54.78	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	109.56%	
62) 4-Bromofluorobenzene	11.39	95	197801	53.19	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	106.38%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	150293	45.576	ug/l	98
3) Chloromethane	1.10	50	160589	46.414	ug/l	99
4) Vinyl Chloride	1.14	62	162856	50.633	ug/l	91
5) Bromomethane	1.33	94	117563	53.108	ug/l	95
6) Chloroethane	1.38	64	77203	48.706	ug/l	97
7) Trichlorofluoromethane	1.47	101	210395	54.234	ug/l	96
8) Diethyl Ether	1.63	74	47629	48.718	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	132665	47.404	ug/l #	93
10) Methyl Iodide	1.90	142	258147m	48.288	ug/l	
11) Tert butyl alcohol	2.57	59	31349	257.244	ug/l	96
12) 1,1-Dichloroethene	1.79	96	117071	47.579	ug/l	86
13) Acrolein	1.99	56	42204	275.550	ug/l	98
14) Allyl chloride	2.09	41	154950	51.318	ug/l	96
15) Acrylonitrile	2.93	53	96465	223.165	ug/l	96
16) Acetone	2.23	43	137048	303.344	ug/l	94
17) Carbon Disulfide	1.83	76	347123	44.880	ug/l	96
18) Methyl Acetate	2.34	43	62855m	61.757	ug/l	
19) Methyl tert-butyl Ether	2.42	73	221569	52.689	ug/l	98
20) Methylene Chloride	2.17	84	126843m	52.522	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	125137	46.783	ug/l	95
22) Diisopropyl ether	2.78	45	378152	52.174	ug/l	98
23) Vinyl Acetate	3.18	43	827687	233.806	ug/l	98
24) 1,1-Dichloroethane	2.86	63	226724	51.691	ug/l	100
25) 2-Butanone	4.31	43	244390	247.646	ug/l	95
26) 2,2-Dichloropropane	3.58	77	105693	56.889	ug/l	95
27) cis-1,2-Dichloroethene	3.46	96	171583	48.871	ug/l	96
28) Bromochloromethane	3.70	49	106939	50.814	ug/l	97
29) Tetrahydrofuran	4.06	42	95380	212.649	ug/l	95
30) Chloroform	3.84	83	255716	51.266	ug/l	97
31) Cyclohexane	3.67	56	210386m	44.308	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	156951	48.034	ug/l	98
36) 1,1-Dichloropropene	4.26	75	198005	46.430	ug/l	95
37) Ethyl Acetate	4.09	43	84711	42.766	ug/l #	85
38) Carbon Tetrachloride	3.97	117	153564	52.148	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	246145	48.804	ug/l	98
40) Benzene	4.62	78	534169	47.887	ug/l	97
41) Methacrylonitrile	4.73	41	47014	46.411	ug/l	93
42) 1,2-Dichloroethane	4.92	62	135490	50.778	ug/l	94
43) Isopropyl Acetate	6.94	43	105037	44.799	ug/l #	90
44) Trichloroethene	5.49	130	172914	47.936	ug/l	97
45) 1,2-Dichloropropane	6.21	63	123933	45.964	ug/l	97
46) Dibromomethane	6.07	93	81256	48.945	ug/l	91
47) Bromodichloromethane	6.36	83	183647	50.515	ug/l	98
48) Methyl methacrylate	6.70	41	66970	47.463	ug/l	94
49) 1,4-Dioxane	6.69	88	12176	917.976	ug/l	95
51) 4-Methyl-2-Pentanone	8.24	43	371699	221.867	ug/l	99
52) Toluene	7.61	92	320620	47.393	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	149816	49.515	ug/l	98
54) cis-1,3-Dichloropropene	7.28	75	198233	49.187	ug/l	91
55) 1,1,2-Trichloroethane	8.47	97	95517	48.055	ug/l	95
56) Ethyl methacrylate	8.60	69	97126	43.889	ug/l	93
57) 1,3-Dichloropropane	8.84	76	154955	46.706	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.28	63	81644	213.828	ug/l	97
59) 2-Hexanone	9.47	43	279977	238.408	ug/l	99
60) Dibromochloromethane	8.70	129	137653	49.755	ug/l	96
61) 1,2-Dibromoethane	8.97	107	103189	47.864	ug/l	97
64) Tetrachloroethene	8.14	164	142814	47.652	ug/l	98
65) Chlorobenzene	9.77	112	366926	49.316	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	150823	51.732	ug/l	97
67) Ethyl Benzene	9.88	91	623747	50.411	ug/l	97
68) m/p-Xylenes	10.11	106	472204	99.718	ug/l	100
69) o-Xylene	10.69	106	247754	49.032	ug/l	92
70) Styrene	10.77	104	346391	48.458	ug/l	100
71) Bromoform	10.76	173	76110	48.075	ug/l	97
73) Isopropylbenzene	11.11	105	682499	47.946	ug/l	100
74) N-amyl acetate	11.36	43	161613	47.302	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	125559	49.235	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	81696	47.119	ug/l	97
77) Bromobenzene	11.48	156	172145	48.952	ug/l	95
78) n-propylbenzene	11.58	91	774596	47.421	ug/l	99
79) 2-Chlorotoluene	11.71	91	460697	50.359	ug/l	95
80) 1,3,5-Trimethylbenzene	11.82	105	553615	48.662	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	40120m	48.266	ug/l	
82) 4-Chlorotoluene	11.88	91	460615	48.510	ug/l	99
83) tert-Butylbenzene	12.12	119	618215	49.061	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	567885	50.243	ug/l	100
85) sec-Butylbenzene	12.29	105	781689	47.971	ug/l	98
86) p-Isopropyltoluene	12.45	119	684290	50.037	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	327830	47.819	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	326578	49.533	ug/l	97
89) n-Butylbenzene	12.83	91	639040	49.486	ug/l	94
90) Hexachloroethane	12.90	117	164395	51.687	ug/l	89
91) 1,2-Dichlorobenzene	12.93	146	312827	47.974	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	20632	51.028	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	221872	47.470	ug/l	94
94) Hexachlorobutadiene	14.17	225	142004	49.194	ug/l	99
95) Naphthalene	14.44	128	397220	48.574	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	206617	48.163	ug/l	97

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

