

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122818\
 Data File : VF061225.D
 Acq On : 28 Dec 2018 9:43
 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
 1/2/2019 11:51:22 AM

Quant Time: Dec 29 01:18:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	210625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	360858	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.78	117	334027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	165494	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	128713	47.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.02%	
35) Dibromofluoromethane	4.11	113	154929	53.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.20%	
50) Toluene-d8	7.56	98	427167	52.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	11.41	95	183253	48.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	208280	44.485	ug/l	100
3) Chloromethane	1.10	50	141681	52.827	ug/l	99
4) Vinyl Chloride	1.14	62	131977	53.047	ug/l #	85
5) Bromomethane	1.33	94	86851	50.330	ug/l	94
6) Chloroethane	1.38	64	59328	51.752	ug/l #	87
7) Trichlorofluoromethane	1.49	101	242060	50.956	ug/l	99
8) Diethyl Ether	1.63	74	38232	58.772	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.83	101	122466	49.721	ug/l	97
10) Methyl Iodide	1.90	142	197328m	50.825	ug/l	
11) Tert butyl alcohol	2.58	59	30879	282.467	ug/l	98
12) 1,1-Dichloroethene	1.79	96	99861	53.786	ug/l	86
13) Acrolein	2.00	56	15142	191.687	ug/l	83
14) Allyl chloride	2.09	41	175613	90.890	ug/l	86
15) Acrylonitrile	2.94	53	71659	283.474	ug/l	99
16) Acetone	2.24	43	145245	268.198	ug/l #	92
17) Carbon Disulfide	1.84	76	280153	49.930	ug/l	98
18) Methyl Acetate	2.35	43	62246	55.555	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	211670	51.362	ug/l	97
20) Methylene Chloride	2.18	84	92063m	53.514	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	101446	51.086	ug/l	88
22) Diisopropyl ether	2.80	45	347417	53.980	ug/l	93
23) Vinyl Acetate	3.19	43	804894	271.091	ug/l	99
24) 1,1-Dichloroethane	2.87	63	208769	54.747	ug/l	98
25) 2-Butanone	4.34	43	230547	262.491	ug/l	96
26) 2,2-Dichloropropane	3.60	77	127754	58.378	ug/l	97
27) cis-1,2-Dichloroethene	3.47	96	152751	50.245	ug/l	97
28) Bromochloromethane	3.72	49	98695	51.008	ug/l	94
29) Tetrahydrofuran	4.08	42	95985	268.505	ug/l	96
30) Chloroform	3.86	83	294205	51.454	ug/l	99
31) Cyclohexane	3.69	56	208196	52.615	ug/l	94
32) 1,1,1-Trichloroethane	4.10	97	214212	62.505	ug/l	95
36) 1,1-Dichloropropene	4.28	75	216675	49.744	ug/l	97
37) Ethyl Acetate	4.11	43	92415	55.660	ug/l #	61
38) Carbon Tetrachloride	3.99	117	182064	54.886	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	226715	58.017	ug/l	99
40) Benzene	4.63	78	486724	51.960	ug/l	95
41) Methacrylonitrile	4.75	41	46957	51.046	ug/l	94
42) 1,2-Dichloroethane	4.94	62	170911	48.030	ug/l	99
43) Isopropyl Acetate	6.96	43	111671	53.096	ug/l	97
44) Trichloroethene	5.51	130	149505	50.624	ug/l	95
45) 1,2-Dichloropropane	6.24	63	137544	53.971	ug/l	98
46) Dibromomethane	6.09	93	83994	50.815	ug/l	96
47) Bromodichloromethane	6.38	83	218214	50.810	ug/l	99
48) Methyl methacrylate	6.72	41	76445	52.065	ug/l	97
49) 1,4-Dioxane	6.71	88	10231	960.328	ug/l #	88
51) 4-Methyl-2-Pentanone	8.26	43	381499	264.485	ug/l	99
52) Toluene	7.63	92	326578	52.669	ug/l	100
53) t-1,3-Dichloropropene	8.28	75	176831	51.039	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	222224	51.106	ug/l	98
55) 1,1,2-Trichloroethane	8.49	97	95402	51.323	ug/l	97
56) Ethyl methacrylate	8.62	69	107592	53.491	ug/l	99
57) 1,3-Dichloropropane	8.86	76	176198	52.409	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.30	63	57620	149.156	ug/l	99
59) 2-Hexanone	9.49	43	294818	282.629	ug/l	99
60) Dibromochloromethane	8.71	129	138928	52.139	ug/l	96
61) 1,2-Dibromoethane	8.99	107	98368	49.550	ug/l	95
64) Tetrachloroethene	8.15	164	130178	50.662	ug/l	97
65) Chlorobenzene	9.80	112	361151	52.337	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	135993	48.225	ug/l	95
67) Ethyl Benzene	9.91	91	636578	50.637	ug/l	97
68) m/p-Xylenes	10.13	106	448490	101.372	ug/l	92
69) o-Xylene	10.71	106	260938	53.179	ug/l	91
70) Styrene	10.79	104	340457	57.693	ug/l	98
71) Bromoform	10.77	173	66141	50.696	ug/l #	96
73) Isopropylbenzene	11.13	105	738422	51.777	ug/l	100
74) N-amyl acetate	11.38	43	179405	56.661	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	118898	50.233	ug/l	99
76) 1,2,3-Trichloropropane	11.80	75	87430	49.635	ug/l	94
77) Bromobenzene	11.49	156	150380	48.984	ug/l	95
78) n-propylbenzene	11.59	91	827923	50.535	ug/l	99
79) 2-Chlorotoluene	11.72	91	488566	49.938	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	580203	49.407	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	42991m	56.797	ug/l	
82) 4-Chlorotoluene	11.90	91	492072	48.621	ug/l	100
83) tert-Butylbenzene	12.13	119	592428	49.025	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	577417	49.307	ug/l	99
85) sec-Butylbenzene	12.30	105	794623	50.389	ug/l	99
86) p-Isopropyltoluene	12.46	119	655073	50.045	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	276761	55.872	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	280987	49.844	ug/l	97
89) n-Butylbenzene	12.84	91	687815	52.690	ug/l	99
90) Hexachloroethane	12.91	117	166944	51.621	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	261851	47.710	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.64	75	22280	51.296	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	190697	48.993	ug/l	97
94) Hexachlorobutadiene	14.19	225	126551	51.048	ug/l	96
95) Naphthalene	14.45	128	373282	52.519	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	181331	50.394	ug/l	98

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

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