

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041919\
 Data File : VF062218.D
 Acq On : 19 Apr 2019 10:25
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 6:55:54 AM

Quant Time: Apr 19 16:01:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	469506	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	694307	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	562991	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	276233	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	212082	49.26	ug/l	0.02
Spiked Amount 50.000			Recovery	=	98.52%	
35) Dibromofluoromethane	4.32	113	278027	45.78	ug/l	0.02
Spiked Amount 50.000			Recovery	=	91.56%	
50) Toluene-d8	7.72	98	764256	49.71	ug/l	0.02
Spiked Amount 50.000			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.50	95	282326	47.74	ug/l	0.02
Spiked Amount 50.000			Recovery	=	95.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	300940	42.178	ug/l	100
3) Chloromethane	1.15	50	317691	43.078	ug/l	99
4) Vinyl Chloride	1.19	62	279895	44.176	ug/l	99
5) Bromomethane	1.41	94	168352	45.739	ug/l	89
6) Chloroethane	1.45	64	120083	45.336	ug/l	95
7) Trichlorofluoromethane	1.56	101	362619	45.050	ug/l	94
8) Diethyl Ether	1.71	74	72666	43.376	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.92	101	246182	44.770	ug/l	99
10) Methyl Iodide	1.99	142	443441	45.394	ug/l #	89
11) Tert butyl alcohol	2.70	59	70546	235.739	ug/l	97
12) 1,1-Dichloroethene	1.88	96	230437	44.060	ug/l	97
13) Acrolein	2.10	56	35904	274.582	ug/l	88
14) Allyl chloride	2.20	41	223794	37.285	ug/l	97
15) Acrylonitrile	3.09	53	219231	240.528	ug/l	99
16) Acetone	2.35	43	313916	305.058	ug/l	96
17) Carbon Disulfide	1.92	76	650308m	44.746	ug/l	
18) Methyl Acetate	2.46	43	100233	44.584	ug/l	94
19) Methyl tert-butyl Ether	2.55	73	415673	45.014	ug/l	97
20) Methylene Chloride	2.34	84	225209m	43.782	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	223357m	43.185	ug/l	
22) Diisopropyl ether	2.94	45	660918	43.046	ug/l	98
23) Vinyl Acetate	3.35	43	1725358	235.859	ug/l	100
24) 1,1-Dichloroethane	3.01	63	381775	45.455	ug/l	99
25) 2-Butanone	4.53	43	533853	259.454	ug/l	97
26) 2,2-Dichloropropane	3.77	77	185890	43.838	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	308412	46.047	ug/l	96
28) Bromochloromethane	3.90	49	171979	42.745	ug/l #	95
29) Tetrahydrofuran	4.27	42	203801	218.825	ug/l	97
30) Chloroform	4.05	83	475116	46.029	ug/l	100
31) Cyclohexane	3.88	56	433319m	43.051	ug/l	
32) 1,1,1-Trichloroethane	4.30	97	340623m	45.082	ug/l	
36) 1,1-Dichloropropene	4.47	75	372572	44.757	ug/l	99
37) Ethyl Acetate	4.32	43	163959	41.740	ug/l #	100
38) Carbon Tetrachloride	4.19	117	296954	40.302	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	509468	51.116	ug/l	96
40) Benzene	4.83	78	958192	43.885	ug/l	98
41) Methacrylonitrile	4.94	41	97405	42.989	ug/l	96
42) 1,2-Dichloroethane	5.13	62	281090	48.697	ug/l	98
43) Isopropyl Acetate	7.11	43	174302	42.190	ug/l	98
44) Trichloroethene	5.69	130	299908	50.831	ug/l	100
45) 1,2-Dichloropropane	6.41	63	222192	46.198	ug/l	99
46) Dibromomethane	6.27	93	149955	46.862	ug/l	96
47) Bromodichloromethane	6.55	83	332982	46.113	ug/l	99
48) Methyl methacrylate	6.88	41	118579	43.674	ug/l	99
49) 1,4-Dioxane	6.87	88	28740	922.990	ug/l #	92
51) 4-Methyl-2-Pentanone	8.41	43	709062	230.749	ug/l	99
52) Toluene	7.78	92	581061	50.486	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	265058	48.871	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	349464	47.635	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	169355	52.525	ug/l	96
56) Ethyl methacrylate	8.76	69	179375	48.932	ug/l	98
57) 1,3-Dichloropropane	9.00	76	266549	51.196	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	256659	241.150	ug/l	96
59) 2-Hexanone	9.63	43	507883	265.033	ug/l	94
60) Dibromochloromethane	8.86	129	264172	55.092	ug/l	98
61) 1,2-Dibromoethane	9.14	107	196465	54.085	ug/l	99
64) Tetrachloroethene	8.31	164	247352	48.670	ug/l	99
65) Chlorobenzene	9.93	112	601411	50.098	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	257825	45.862	ug/l	99
67) Ethyl Benzene	10.03	91	1007736	46.165	ug/l	99
68) m/p-Xylenes	10.26	106	755561	94.025	ug/l	94
69) o-Xylene	10.82	106	408349	45.769	ug/l	100
70) Styrene	10.89	104	553463	43.958	ug/l	98
71) Bromoform	10.88	173	138383	46.623	ug/l #	99
73) Isopropylbenzene	11.22	105	1145905	48.292	ug/l	99
74) N-amyl acetate	11.45	43	248646	43.896	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	195991	48.028	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	132049	47.033	ug/l #	1
77) Bromobenzene	11.58	156	262550	51.651	ug/l	94
78) n-propylbenzene	11.68	91	1162350	46.435	ug/l	98
79) 2-Chlorotoluene	11.80	91	721297	47.503	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	937752	47.450	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	66166m	46.210	ug/l	
82) 4-Chlorotoluene	11.97	91	682209	46.490	ug/l	97
83) tert-Butylbenzene	12.20	119	977571	47.832	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	905801	47.363	ug/l	98
85) sec-Butylbenzene	12.37	105	1222271	46.065	ug/l	99
86) p-Isopropyltoluene	12.52	119	1081718	48.060	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	458500	48.608	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	446732	49.100	ug/l	98
89) n-Butylbenzene	12.90	91	956311	51.857	ug/l	99
90) Hexachloroethane	12.98	117	285205	49.346	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	442588	48.593	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	38151	47.584	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	377173	49.494	ug/l	98
94) Hexachlorobutadiene	14.23	225	262999	50.331	ug/l	100
95) Naphthalene	14.50	128	646975	48.554	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	370173	50.597	ug/l	99

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

