

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041919\
 Data File : VF062236.D
 Acq On : 19 Apr 2019 21:01
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 6:56:01 AM

Quant Time: Apr 19 23:59:20 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	5.06	168	380467	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	539988	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	426884	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	226281	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	195685	56.09	ug/l	0.03
Spiked Amount 50.000			Recovery	=	112.18%	
35) Dibromofluoromethane	4.32	113	258001	54.62	ug/l	0.02
Spiked Amount 50.000			Recovery	=	109.24%	
50) Toluene-d8	7.72	98	654663	54.75	ug/l	0.02
Spiked Amount 50.000			Recovery	=	109.50%	
62) 4-Bromofluorobenzene	11.50	95	258765	56.26	ug/l	0.02
Spiked Amount 50.000			Recovery	=	112.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	277981	48.078	ug/l	99
3) Chloromethane	1.16	50	262686	43.956	ug/l	97
4) Vinyl Chloride	1.20	62	241725	47.080	ug/l	96
5) Bromomethane	1.41	94	151915	50.933	ug/l	96
6) Chloroethane	1.45	64	107454	50.062	ug/l	93
7) Trichlorofluoromethane	1.57	101	340553	52.210	ug/l	90
8) Diethyl Ether	1.71	74	63676	46.905	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.92	101	221150	49.630	ug/l	99
10) Methyl Iodide	1.99	142	398893	50.390	ug/l #	88
11) Tert butyl alcohol	2.72	59	60839	250.880	ug/l #	94
12) 1,1-Dichloroethene	1.88	96	207789	49.027	ug/l	98
13) Acrolein	2.11	56	30004	283.181	ug/l	97
14) Allyl chloride	2.21	41	218429	44.908	ug/l	95
15) Acrylonitrile	3.10	53	176544	239.023	ug/l	98
16) Acetone	2.36	43	189625	227.399	ug/l	96
17) Carbon Disulfide	1.93	76	559943	47.545	ug/l	97
18) Methyl Acetate	2.47	43	92126	51.455	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	396156	52.941	ug/l	98
20) Methylene Chloride	2.34	84	220705m	54.446	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	200912	47.936	ug/l	100
22) Diisopropyl ether	2.95	45	623180	50.087	ug/l	98
23) Vinyl Acetate	3.36	43	1474298	248.704	ug/l	99
24) 1,1-Dichloroethane	3.02	63	347730	51.091	ug/l	97
25) 2-Butanone	4.54	43	379533	227.621	ug/l	95
26) 2,2-Dichloropropane	3.79	77	159485	46.413	ug/l	99
27) cis-1,2-Dichloroethene	3.66	96	271907	50.097	ug/l	98
28) Bromochloromethane	3.91	49	159184	48.824	ug/l #	91
29) Tetrahydrofuran	4.29	42	168116	222.753	ug/l	98
30) Chloroform	4.06	83	444839	53.181	ug/l	99
31) Cyclohexane	3.89	56	358717	43.980	ug/l	99
32) 1,1,1-Trichloroethane	4.30	97	330646	54.003	ug/l #	87
36) 1,1-Dichloropropene	4.48	75	328743	50.778	ug/l	99
37) Ethyl Acetate	4.33	43	145158	47.514	ug/l #	96
38) Carbon Tetrachloride	4.20	117	308468m	53.829	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	365357	47.133	ug/l	99
40) Benzene	4.84	78	843837	49.692	ug/l	99
41) Methacrylonitrile	4.95	41	80955	45.939	ug/l #	88
42) 1,2-Dichloroethane	5.14	62	241851	53.873	ug/l	96
43) Isopropyl Acetate	7.12	43	166034	51.673	ug/l #	99
44) Trichloroethene	5.70	130	244552	53.294	ug/l	99
45) 1,2-Dichloropropane	6.42	63	186229	49.786	ug/l	98
46) Dibromomethane	6.27	93	127610	51.276	ug/l	91
47) Bromodichloromethane	6.55	83	324005	57.693	ug/l	97
48) Methyl methacrylate	6.89	41	108422	51.345	ug/l	97
49) 1,4-Dioxane	6.89	88	24959	1030.635	ug/l	96
51) 4-Methyl-2-Pentanone	8.42	43	568680	237.953	ug/l	98
52) Toluene	7.79	92	468910	52.385	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	216994	51.443	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	288219	50.514	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	139617	55.677	ug/l	94
56) Ethyl methacrylate	8.76	69	148279	52.009	ug/l	97
57) 1,3-Dichloropropane	9.01	76	214617	53.002	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	215234	260.021	ug/l	96
59) 2-Hexanone	9.63	43	382794	256.848	ug/l	95
60) Dibromochloromethane	8.87	129	212136	56.883	ug/l	98
61) 1,2-Dibromoethane	9.15	107	153536	54.346	ug/l	99
64) Tetrachloroethene	8.32	164	212030	55.022	ug/l	98
65) Chlorobenzene	9.94	112	489712	53.800	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	224775	52.732	ug/l	98
67) Ethyl Benzene	10.04	91	804140	48.584	ug/l	99
68) m/p-Xylenes	10.27	106	627063	102.914	ug/l	97
69) o-Xylene	10.83	106	351431	51.949	ug/l	97
70) Styrene	10.90	104	520530	54.524	ug/l	99
71) Bromoform	10.89	173	131155	58.276	ug/l #	99
73) Isopropylbenzene	11.23	105	989230	50.892	ug/l	99
74) N-amyl acetate	11.45	43	246060	53.508	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	169899	50.825	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	117606m	51.136	ug/l	
77) Bromobenzene	11.59	156	244264	58.662	ug/l	90
78) n-propylbenzene	11.68	91	1003888	48.958	ug/l	99
79) 2-Chlorotoluene	11.81	91	636554	51.177	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	828379	51.169	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	50704m	43.229	ug/l	
82) 4-Chlorotoluene	11.98	91	604924	50.323	ug/l	96
83) tert-Butylbenzene	12.20	119	865047	51.670	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	785332	50.129	ug/l	99
85) sec-Butylbenzene	12.38	105	1090112	50.154	ug/l	98
86) p-Isopropyltoluene	12.53	119	939328	50.947	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	413305	53.489	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	391199	52.488	ug/l	99
89) n-Butylbenzene	12.90	91	829140	55.224	ug/l	99
90) Hexachloroethane	12.98	117	250628	52.936	ug/l	91
91) 1,2-Dichlorobenzene	13.01	146	399861	53.593	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	32851	50.019	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	335334	53.717	ug/l	99
94) Hexachlorobutadiene	14.23	225	241532	56.426	ug/l	99
95) Naphthalene	14.50	128	605514	55.474	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	332778	55.527	ug/l	96

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

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