

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042219\
 Data File : VF062255.D
 Acq On : 22 Apr 2019 20:38
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 9:22:28 AM

Quant Time: Apr 23 02:00:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 23:52:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	391762	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.78	114	533295	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	416939	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	236315	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	198810	55.34	ug/l	0.02
Spiked Amount 50.000			Recovery	=	110.68%	
35) Dibromofluoromethane	4.31	113	256492	54.98	ug/l	0.01
Spiked Amount 50.000			Recovery	=	109.96%	
50) Toluene-d8	7.71	98	622834	52.74	ug/l	0.01
Spiked Amount 50.000			Recovery	=	105.48%	
62) 4-Bromofluorobenzene	11.49	95	240246	52.89	ug/l	0.01
Spiked Amount 50.000			Recovery	=	105.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.00	85	286602	48.140	ug/l	97
3) Chloromethane	1.15	50	266325	43.280	ug/l	100
4) Vinyl Chloride	1.19	62	240803	45.548	ug/l	98
5) Bromomethane	1.39	94	165016	53.730	ug/l	96
6) Chloroethane	1.45	64	111983	50.668	ug/l	94
7) Trichlorofluoromethane	1.56	101	369981	55.087	ug/l	99
8) Diethyl Ether	1.71	74	67162	48.046	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.91	101	235150	51.250	ug/l	99
10) Methyl Iodide	1.98	142	419333	51.445	ug/l #	88
11) Tert butyl alcohol	2.69	59	55489	222.221	ug/l	96
12) 1,1-Dichloroethene	1.87	96	214633	49.182	ug/l	94
13) Acrolein	2.10	56	38566	350.457	ug/l	93
14) Allyl chloride	2.20	41	283542m	56.614	ug/l	
15) Acrylonitrile	3.09	53	175560	230.838	ug/l	97
16) Acetone	2.35	43	197230	229.700	ug/l	95
17) Carbon Disulfide	1.92	76	572074	47.175	ug/l	100
18) Methyl Acetate	2.46	43	86570	46.380	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	403548	52.374	ug/l	99
20) Methylene Chloride	2.35	84	199475m	46.915	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	209997	48.659	ug/l	96
22) Diisopropyl ether	2.94	45	612007	47.771	ug/l	97
23) Vinyl Acetate	3.35	43	1345145	220.374	ug/l	99
24) 1,1-Dichloroethane	3.02	63	354511	50.585	ug/l	99
25) 2-Butanone	4.52	43	344842	200.852	ug/l	96
26) 2,2-Dichloropropane	3.77	77	174272	49.254	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	272733	48.800	ug/l	96
28) Bromochloromethane	3.90	49	148180	44.139	ug/l #	8
29) Tetrahydrofuran	4.27	42	155999	200.738	ug/l	97
30) Chloroform	4.05	83	416242	48.328	ug/l	97
31) Cyclohexane	3.88	56	355810	42.365	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	338729	53.728	ug/l #	86
36) 1,1-Dichloropropene	4.47	75	311702	48.750	ug/l	99
37) Ethyl Acetate	4.31	43	129481	42.915	ug/l #	96
38) Carbon Tetrachloride	4.19	117	308147m	54.448	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	369409	48.254	ug/l	97
40) Benzene	4.82	78	807647	48.158	ug/l	98
41) Methacrylonitrile	4.94	41	82995	47.688	ug/l	93
42) 1,2-Dichloroethane	5.13	62	225002	50.749	ug/l	99
43) Isopropyl Acetate	7.12	43	129191	40.712	ug/l	97
44) Trichloroethene	5.69	130	235866	52.047	ug/l	97
45) 1,2-Dichloropropane	6.42	63	170451	46.140	ug/l	98
46) Dibromomethane	6.26	93	124555	50.677	ug/l	93
47) Bromodichloromethane	6.55	83	284583	51.309	ug/l #	97
48) Methyl methacrylate	6.88	41	92292	44.255	ug/l	94
49) 1,4-Dioxane	6.87	88	19930	833.301	ug/l	96
51) 4-Methyl-2-Pentanone	8.40	43	486430	206.092	ug/l	98
52) Toluene	7.78	92	425225	48.100	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	201137	48.282	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	267382	47.450	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	125261	50.579	ug/l	99
56) Ethyl methacrylate	8.75	69	128986	45.809	ug/l	99
57) 1,3-Dichloropropane	9.00	76	185279	46.331	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	194471	237.886	ug/l	94
59) 2-Hexanone	9.62	43	281539	191.313	ug/l	96
60) Dibromochloromethane	8.86	129	200261	54.373	ug/l	97
61) 1,2-Dibromoethane	9.13	107	142371	51.027	ug/l	97
64) Tetrachloroethene	8.31	164	210359	55.890	ug/l	96
65) Chlorobenzene	9.94	112	456768	51.378	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	224444	53.910	ug/l	98
67) Ethyl Benzene	10.03	91	785065	48.563	ug/l	99
68) m/p-Xylenes	10.26	106	600039	100.828	ug/l	95
69) o-Xylene	10.82	106	334226	50.584	ug/l	99
70) Styrene	10.89	104	467888	50.179	ug/l	99
71) Bromoform	10.88	173	120952	55.024	ug/l #	98
73) Isopropylbenzene	11.22	105	967198	47.646	ug/l	98
74) N-amyl acetate	11.44	43	182087	37.245	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	163418	46.811	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	110103	45.841	ug/l #	64
77) Bromobenzene	11.58	156	236142	54.303	ug/l	87
78) n-propylbenzene	11.67	91	994184	46.426	ug/l	97
79) 2-Chlorotoluene	11.80	91	608322	46.830	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	826662	48.895	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	44701m	36.492	ug/l	
82) 4-Chlorotoluene	11.98	91	574011	45.724	ug/l	96
83) tert-Butylbenzene	12.19	119	852366	48.751	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	625698	38.243	ug/l	97
85) sec-Butylbenzene	12.37	105	1058234	46.620	ug/l	98
86) p-Isopropyltoluene	12.52	119	941525	48.898	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	394927	48.940	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	382851	49.187	ug/l	98
89) n-Butylbenzene	12.89	91	820954	52.057	ug/l	99
90) Hexachloroethane	12.97	117	249140	50.388	ug/l	91
91) 1,2-Dichlorobenzene	13.00	146	387685	49.755	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	31433	45.828	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	336171	51.565	ug/l	99
94) Hexachlorobutadiene	14.22	225	249022	55.706	ug/l	100
95) Naphthalene	14.49	128	558372	48.983	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	330664	52.831	ug/l	99

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

