

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090419\
 Data File : VX012065.D
 Acq On : 04 Sep 2019 21:22
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 9/5/2019 2:55:56 PM

Quant Time: Sep 05 05:52:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	124013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	238436	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	220628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103980	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	101148	59.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.22%	
35) Dibromofluoromethane	5.48	113	81413	55.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.04%	
50) Toluene-d8	8.71	98	294105	54.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.32%	
62) 4-Bromofluorobenzene	11.14	95	129238	51.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.30%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	54500	47.657	ug/l	98
3) Chloromethane	1.31	50	61188	52.244	ug/l	98
4) Vinyl Chloride	1.39	62	56056	50.872	ug/l	98
5) Bromomethane	1.62	94	30011	54.903	ug/l	98
6) Chloroethane	1.71	64	36305	52.999	ug/l	99
7) Trichlorofluoromethane	1.92	101	85523	49.971	ug/l	97
8) Diethyl Ether	2.17	74	32585	55.095	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.37	101	62223	49.086	ug/l #	84
10) Methyl Iodide	2.50	142	46533	38.178	ug/l	93
11) Tert butyl alcohol	3.03	59	42246	257.041	ug/l	95
12) 1,1-Dichloroethene	2.36	96	62359	51.066	ug/l	94
13) Acrolein	2.28	56	7287	166.592	ug/l	94
14) Allyl chloride	2.72	41	117076	52.985	ug/l	97
15) Acrylonitrile	3.12	53	99750	268.398	ug/l	98
16) Acetone	2.43	43	95751	234.111	ug/l	99
17) Carbon Disulfide	2.56	76	193035	54.089	ug/l	100
18) Methyl Acetate	2.76	43	63229	65.625	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	217017	54.588	ug/l	99
20) Methylene Chloride	2.84	84	80575	49.060	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	75878	52.951	ug/l	93
22) Diisopropyl ether	3.84	45	240303	53.356	ug/l	97
23) Vinyl Acetate	3.80	43	753149	258.508	ug/l	99
24) 1,1-Dichloroethane	3.69	63	138766	53.125	ug/l	98
25) 2-Butanone	4.65	43	139468	267.887	ug/l	96
26) 2,2-Dichloropropane	4.56	77	109198	45.280	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	88945	52.951	ug/l	94
28) Bromochloromethane	5.00	49	56189	53.889	ug/l #	80
29) Tetrahydrofuran	5.11	42	87176	277.918	ug/l	99
30) Chloroform	5.19	83	148757	53.075	ug/l	98
31) Cyclohexane	5.56	56	101947	48.596	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	127734	52.327	ug/l	97
36) 1,1-Dichloropropene	5.79	75	101591	48.376	ug/l	95
37) Ethyl Acetate	4.82	43	60522	52.998	ug/l	100
38) Carbon Tetrachloride	5.77	117	109307	49.396	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	109410	44.889	ug/l	95
40) Benzene	6.13	78	306682	50.870	ug/l	97
41) Methacrylonitrile	5.02	41	37329	54.814	ug/l	98
42) 1,2-Dichloroethane	6.18	62	115521	53.247	ug/l	97
43) Isopropyl Acetate	6.43	43	122363	52.697	ug/l	99
44) Trichloroethene	7.20	130	81049	49.843	ug/l	81
45) 1,2-Dichloropropane	7.51	63	78024	50.092	ug/l	99
46) Dibromomethane	7.65	93	47349	52.073	ug/l #	74
47) Bromodichloromethane	7.89	83	117894	51.009	ug/l	98
48) Methyl methacrylate	7.76	41	62199	53.274	ug/l	97
49) 1,4-Dioxane	7.73	88	16076	1010.061	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	312216	264.352	ug/l	98
52) Toluene	8.78	92	195856	49.930	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	117928	49.284	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	131896	49.568	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	65535	50.413	ug/l	97
56) Ethyl methacrylate	9.17	69	97495	52.359	ug/l	97
57) 1,3-Dichloropropane	9.37	76	114991	51.262	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	209855	249.984	ug/l	94
59) 2-Hexanone	9.48	43	224145	260.091	ug/l	97
60) Dibromochloromethane	9.57	129	79301	51.185	ug/l	99
61) 1,2-Dibromoethane	9.67	107	64128	51.052	ug/l	99
64) Tetrachloroethene	9.33	164	75154	54.638	ug/l #	87
65) Chlorobenzene	10.14	112	214454	49.264	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	79981	50.248	ug/l	97
67) Ethyl Benzene	10.25	91	388318	48.938	ug/l	96
68) m/p-Xylenes	10.36	106	285330	97.597	ug/l	92
69) o-Xylene	10.70	106	139785	49.308	ug/l	91
70) Styrene	10.71	104	245389	49.835	ug/l	95
71) Bromoform	10.86	173	44238	50.601	ug/l	98
73) Isopropylbenzene	11.01	105	375342	49.198	ug/l	97
74) N-amyl acetate	10.89	43	113442	50.291	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	80569	50.657	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	72280m	56.892	ug/l	
77) Bromobenzene	11.25	156	86717	50.822	ug/l #	69
78) n-propylbenzene	11.35	91	439776	47.714	ug/l	94
79) 2-Chlorotoluene	11.42	91	272391	48.782	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	328259	49.098	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	24456	45.509	ug/l	96
82) 4-Chlorotoluene	11.51	91	329152	49.456	ug/l	91
83) tert-Butylbenzene	11.77	119	301997	47.392	ug/l	88
84) 1,2,4-Trimethylbenzene	11.80	105	336847	49.021	ug/l	94
85) sec-Butylbenzene	11.94	105	376129	47.521	ug/l	95
86) p-Isopropyltoluene	12.06	119	346643	48.158	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	166541	48.710	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	166862	48.809	ug/l	95
89) n-Butylbenzene	12.39	91	322778	46.162	ug/l	96
90) Hexachloroethane	12.59	117	68215	47.463	ug/l	55
91) 1,2-Dichlorobenzene	12.39	146	154459	50.161	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	17022	51.144	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	102513	46.773	ug/l	97
94) Hexachlorobutadiene	13.78	225	50201	45.439	ug/l	99
95) Naphthalene	13.83	128	238191	50.214	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	91952	47.688	ug/l	95

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

