

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091019\
 Data File : VX012289.D
 Acq On : 11 Sep 2019 07:48
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 8:59:28 AM

Quant Time: Sep 11 08:11:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	122933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	231186	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	105577	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	91169	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	5.48	113	71284	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	8.71	98	263877	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	11.14	95	110949	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	46188	45.955	ug/l	96
3) Chloromethane	1.31	50	46833	51.694	ug/l	97
4) Vinyl Chloride	1.39	62	43452	48.371	ug/l	97
5) Bromomethane	1.62	94	24072	67.763	ug/l	99
6) Chloroethane	1.71	64	30237	50.338	ug/l	98
7) Trichlorofluoromethane	1.92	101	75781	46.613	ug/l	100
8) Diethyl Ether	2.17	74	29081	52.421	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	53965	49.251	ug/l	99
10) Methyl Iodide	2.50	142	34393	32.980	ug/l	98
11) Tert butyl alcohol	3.03	59	52609	286.410	ug/l	99
12) 1,1-Dichloroethene	2.36	96	47659	51.234	ug/l	98
13) Acrolein	2.28	56	12689	139.662	ug/l	99
14) Allyl chloride	2.71	41	93327	49.209	ug/l	99
15) Acrylonitrile	3.12	53	96759	282.158	ug/l	99
16) Acetone	2.43	43	85734	208.374	ug/l	98
17) Carbon Disulfide	2.56	76	96061	49.176	ug/l	98
18) Methyl Acetate	2.76	43	49153	56.837	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	197006	53.628	ug/l	98
20) Methylene Chloride	2.84	84	67991	53.132	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	57060	51.413	ug/l	99
22) Diisopropyl ether	3.84	45	228832	52.759	ug/l	94
23) Vinyl Acetate	3.80	43	666691	250.530	ug/l	99
24) 1,1-Dichloroethane	3.68	63	121837	52.442	ug/l	99
25) 2-Butanone	4.65	43	134527	255.769	ug/l	99
26) 2,2-Dichloropropane	4.56	77	82299	37.731	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	75604	52.765	ug/l	96
28) Bromochloromethane	5.00	49	58913	54.068	ug/l	100
29) Tetrahydrofuran	5.11	42	83031	292.585	ug/l	100
30) Chloroform	5.19	83	138451	52.848	ug/l	100
31) Cyclohexane	5.57	56	75765	46.947	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	115194	51.208	ug/l	99
36) 1,1-Dichloropropene	5.78	75	82343	48.847	ug/l	100
37) Ethyl Acetate	4.82	43	56420	54.143	ug/l	98
38) Carbon Tetrachloride	5.77	117	92212	46.623	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	82448	44.567	ug/l	97
40) Benzene	6.13	78	253967	49.778	ug/l	98
41) Methacrylonitrile	5.02	41	35900	55.883	ug/l	93
42) 1,2-Dichloroethane	6.18	62	102035	50.601	ug/l	99
43) Isopropyl Acetate	6.43	43	115231	52.450	ug/l	99
44) Trichloroethene	7.20	130	69340	50.219	ug/l	100
45) 1,2-Dichloropropane	7.50	63	70267	49.756	ug/l	99
46) Dibromomethane	7.65	93	41180	53.353	ug/l	99
47) Bromodichloromethane	7.89	83	106269	50.453	ug/l	100
48) Methyl methacrylate	7.76	41	56025	53.276	ug/l	98
49) 1,4-Dioxane	7.73	88	16560	1167.011	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	305170	263.188	ug/l	100
52) Toluene	8.78	92	165223	49.028	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	95768	45.554	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	106074	45.502	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	61244	51.217	ug/l	98
56) Ethyl methacrylate	9.17	69	83709	51.703	ug/l	100
57) 1,3-Dichloropropane	9.37	76	105252	51.536	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	209550	252.529	ug/l	99
59) 2-Hexanone	9.48	43	211326	262.121	ug/l	99
60) Dibromochloromethane	9.57	129	70260	50.331	ug/l	97
61) 1,2-Dibromoethane	9.67	107	57667	51.809	ug/l	98
64) Tetrachloroethene	9.33	164	69257	60.768	ug/l	96
65) Chlorobenzene	10.14	112	191169	48.550	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	73766	49.696	ug/l	99
67) Ethyl Benzene	10.25	91	342784	48.947	ug/l	98
68) m/p-Xylenes	10.36	106	251525	97.567	ug/l	98
69) o-Xylene	10.70	106	123190	48.780	ug/l	100
70) Styrene	10.71	104	223007	49.791	ug/l	100
71) Bromoform	10.85	173	38269	49.719	ug/l #	100
73) Isopropylbenzene	11.01	105	335208	48.228	ug/l	99
74) N-amyl acetate	10.89	43	91665	44.356	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	77801	52.120	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	68357m	50.400	ug/l	
77) Bromobenzene	11.25	156	80183	50.107	ug/l	100
78) n-propylbenzene	11.35	91	399203	47.562	ug/l	100
79) 2-Chlorotoluene	11.42	91	250543	48.180	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	300991	48.155	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	18518	40.909	ug/l	92
82) 4-Chlorotoluene	11.51	91	305408	48.870	ug/l	100
83) tert-Butylbenzene	11.76	119	276845	45.614	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	307681	47.618	ug/l	97
85) sec-Butylbenzene	11.94	105	341426	47.147	ug/l	100
86) p-Isopropyltoluene	12.06	119	293177	43.815	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	159604	48.962	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	160046	48.554	ug/l	99
89) n-Butylbenzene	12.39	91	308574	47.051	ug/l	99
90) Hexachloroethane	12.59	117	59832	48.546	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	150833	50.020	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15393	50.521	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	98508	47.304	ug/l	97
94) Hexachlorobutadiene	13.78	225	51334	49.552	ug/l	98
95) Naphthalene	13.83	128	232716	52.075	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	91108	49.448	ug/l	99

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

