

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090319\
 Data File : VX012039.D
 Acq On : 03 Sep 2019 23:10
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 9/4/2019 4:46:08 PM

Quant Time: Sep 04 05:28:53 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	127598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	242517	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	221887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102827	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	94296	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
35) Dibromofluoromethane	5.48	113	76296	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	8.71	98	288298	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
62) 4-Bromofluorobenzene	11.14	95	123330	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	57685	49.024	ug/l	97
3) Chloromethane	1.31	50	65460	54.321	ug/l	100
4) Vinyl Chloride	1.39	62	60998	53.802	ug/l	97
5) Bromomethane	1.62	94	34310	61.004	ug/l	100
6) Chloroethane	1.71	64	39051	55.406	ug/l	97
7) Trichlorofluoromethane	1.92	101	90066	51.146	ug/l	96
8) Diethyl Ether	2.17	74	34196	56.194	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.37	101	65191	49.982	ug/l #	84
10) Methyl Iodide	2.50	142	48531	38.603	ug/l	94
11) Tert butyl alcohol	3.03	59	41018	242.558	ug/l	95
12) 1,1-Dichloroethene	2.36	96	66140	52.641	ug/l	91
13) Acrolein	2.28	56	8795	201.423	ug/l	98
14) Allyl chloride	2.72	41	123019	54.110	ug/l	98
15) Acrylonitrile	3.13	53	99348	259.806	ug/l	99
16) Acetone	2.43	43	90320	214.628	ug/l	99
17) Carbon Disulfide	2.56	76	206189	56.152	ug/l	100
18) Methyl Acetate	2.76	43	61304	61.839	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	222386	54.367	ug/l	99
20) Methylene Chloride	2.84	84	85201	50.419	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	80202	54.396	ug/l	93
22) Diisopropyl ether	3.84	45	253163	54.632	ug/l	96
23) Vinyl Acetate	3.80	43	769788	256.796	ug/l	98
24) 1,1-Dichloroethane	3.68	63	144489	53.762	ug/l	98
25) 2-Butanone	4.65	43	135305	252.589	ug/l	99
26) 2,2-Dichloropropane	4.57	77	114596	46.184	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	93326	53.998	ug/l	94
28) Bromochloromethane	5.00	49	53604	49.966	ug/l	81
29) Tetrahydrofuran	5.11	42	85989	266.432	ug/l	99
30) Chloroform	5.19	83	155580	53.949	ug/l	97
31) Cyclohexane	5.57	56	108677	50.349	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	134948	53.729	ug/l	98
36) 1,1-Dichloropropene	5.79	75	107076	50.130	ug/l	96
37) Ethyl Acetate	4.82	43	58834	50.653	ug/l	98
38) Carbon Tetrachloride	5.77	117	113746	50.537	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	119156	48.065	ug/l	95
40) Benzene	6.13	78	325188	53.032	ug/l	99
41) Methacrylonitrile	5.02	41	36195	52.254	ug/l	99
42) 1,2-Dichloroethane	6.18	62	117805	53.386	ug/l	97
43) Isopropyl Acetate	6.43	43	122426	51.837	ug/l	99
44) Trichloroethene	7.20	130	85973	51.982	ug/l	83
45) 1,2-Dichloropropane	7.51	63	83165	52.494	ug/l	98
46) Dibromomethane	7.65	93	48472	52.411	ug/l #	74
47) Bromodichloromethane	7.89	83	124125	52.801	ug/l	98
48) Methyl methacrylate	7.76	41	62263	52.432	ug/l	96
49) 1,4-Dioxane	7.73	88	15671	968.046	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	308914	257.155	ug/l	99
52) Toluene	8.78	92	210336	52.719	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	122149	50.189	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	138039	51.004	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	66380	50.204	ug/l	96
56) Ethyl methacrylate	9.17	69	98897	52.218	ug/l	97
57) 1,3-Dichloropropane	9.37	76	119179	52.235	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	214748	251.508	ug/l	94
59) 2-Hexanone	9.48	43	217801	248.477	ug/l	99
60) Dibromochloromethane	9.57	129	83052	52.704	ug/l	99
61) 1,2-Dibromoethane	9.67	107	67390	52.746	ug/l	97
64) Tetrachloroethene	9.33	164	76461	55.273	ug/l #	87
65) Chlorobenzene	10.14	112	226166	51.660	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	84218	52.610	ug/l	97
67) Ethyl Benzene	10.25	91	410416	51.429	ug/l	96
68) m/p-Xylenes	10.36	106	301009	102.376	ug/l	91
69) o-Xylene	10.70	106	148004	51.911	ug/l	90
70) Styrene	10.71	104	258534	52.206	ug/l	95
71) Bromoform	10.85	173	45724	52.004	ug/l #	97
73) Isopropylbenzene	11.01	105	397573	52.696	ug/l	97
74) N-amyl acetate	10.89	43	113639	50.944	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	80513	51.189	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	72149m	57.426	ug/l	
77) Bromobenzene	11.25	156	91396	54.165	ug/l	70
78) n-propylbenzene	11.35	91	474253	52.032	ug/l	94
79) 2-Chlorotoluene	11.42	91	287259	52.021	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	343669	51.980	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.07	75	24627	46.341	ug/l	95
82) 4-Chlorotoluene	11.51	91	344102	52.282	ug/l	91
83) tert-Butylbenzene	11.77	119	319535	50.706	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	355698	52.345	ug/l	93
85) sec-Butylbenzene	11.94	105	395919	50.583	ug/l	94
86) p-Isopropyltoluene	12.06	119	358252	50.328	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	176183	52.108	ug/l	92
88) 1,4-Dichlorobenzene	12.09	146	169813	50.229	ug/l	94
89) n-Butylbenzene	12.39	91	341444	49.379	ug/l	95
90) Hexachloroethane	12.59	117	69611	48.977	ug/l	56
91) 1,2-Dichlorobenzene	12.39	146	158036	51.898	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16188	49.184	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	102784	47.422	ug/l	95
94) Hexachlorobutadiene	13.78	225	50944	46.628	ug/l	97
95) Naphthalene	13.83	128	232794	49.627	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	92266	48.387	ug/l	95

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

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