

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111319\
 Data File : VX013408.D
 Acq On : 13 Nov 2019 16:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/14/2019 9:37:22 AM

Quant Time: Nov 14 05:48:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	735691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1113508	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1006040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	515440	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	382448	43.88	ug/l	0.00
Spiked Amount			Recovery	=	87.76%	
35) Dibromofluoromethane	5.48	113	319916	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	
50) Toluene-d8	8.71	98	1223824	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
62) 4-Bromofluorobenzene	11.13	95	445296	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	417625	49.268	ug/l	100
3) Chloromethane	1.31	50	457358	49.754	ug/l	100
4) Vinyl Chloride	1.40	62	529929	50.637	ug/l	100
5) Bromomethane	1.62	94	319464	43.805	ug/l	100
6) Chloroethane	1.70	64	286255	47.798	ug/l	99
7) Trichlorofluoromethane	1.92	101	579634	46.881	ug/l	99
8) Diethyl Ether	2.17	74	263174	48.134	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	366387	53.167	ug/l	99
10) Methyl Iodide	2.50	142	437519	51.280	ug/l	99
11) Tert butyl alcohol	3.03	59	489583	213.120	ug/l	99
12) 1,1-Dichloroethene	2.36	96	359376	53.254	ug/l	97
13) Acrolein	2.28	56	364942	293.120	ug/l	98
14) Allyl chloride	2.72	41	640471	52.234	ug/l	96
15) Acrylonitrile	3.12	53	1091009	254.249	ug/l	98
16) Acetone	2.43	43	948013	218.069	ug/l	98
17) Carbon Disulfide	2.56	76	908746	50.312	ug/l	100
18) Methyl Acetate	2.76	43	636417	53.026	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	1203838	53.485	ug/l	99
20) Methylene Chloride	2.84	84	399653	49.756	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	381140	51.872	ug/l	97
22) Diisopropyl ether	3.84	45	1281098	54.118	ug/l	98
23) Vinyl Acetate	3.80	43	5336172	263.433	ug/l	99
24) 1,1-Dichloroethane	3.68	63	688896	52.022	ug/l	99
25) 2-Butanone	4.65	43	1565398	245.454	ug/l	98
26) 2,2-Dichloropropane	4.56	77	540995	51.354	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	445242	54.093	ug/l	98
28) Bromochloromethane	5.00	49	205410	54.631	ug/l	100
29) Tetrahydrofuran	5.11	42	1007747	256.417	ug/l	100
30) Chloroform	5.19	83	681563	52.123	ug/l	98
31) Cyclohexane	5.56	56	617505	51.822	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	578447	51.403	ug/l	99
36) 1,1-Dichloropropene	5.78	75	515367	53.951	ug/l	99
37) Ethyl Acetate	4.81	43	602266	51.023	ug/l	99
38) Carbon Tetrachloride	5.77	117	505150	54.078	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	644522	54.149	ug/l	99
40) Benzene	6.13	78	1567074	52.664	ug/l	98
41) Methacrylonitrile	5.02	41	341392	51.601	ug/l	97
42) 1,2-Dichloroethane	6.18	62	547877	51.046	ug/l	99
43) Isopropyl Acetate	6.43	43	979705	53.301	ug/l	99
44) Trichloroethene	7.20	130	426688	52.094	ug/l	99
45) 1,2-Dichloropropane	7.50	63	406502	53.617	ug/l	99
46) Dibromomethane	7.65	93	264663	51.127	ug/l	97
47) Bromodichloromethane	7.89	83	538399	55.156	ug/l	98
48) Methyl methacrylate	7.76	41	494172	53.860	ug/l	98
49) 1,4-Dioxane	7.73	88	205301	977.064	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	3118651	258.612	ug/l	99
52) Toluene	8.78	92	1002423	54.354	ug/l	97
53) t-1,3-Dichloropropene	9.03	75	597827	56.007	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	662223	55.462	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	410271	53.671	ug/l	98
56) Ethyl methacrylate	9.17	69	668404	51.180	ug/l	97
57) 1,3-Dichloropropane	9.36	76	689967	53.171	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	1474023	282.017	ug/l	99
59) 2-Hexanone	9.48	43	2383597	255.776	ug/l	98
60) Dibromochloromethane	9.57	129	434280	55.549	ug/l	100
61) 1,2-Dibromoethane	9.67	107	429513	52.914	ug/l	99
64) Tetrachloroethene	9.33	164	378511	52.557	ug/l	98
65) Chlorobenzene	10.13	112	1089123	53.473	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	406995	54.422	ug/l	99
67) Ethyl Benzene	10.25	91	1911010	54.363	ug/l	99
68) m/p-Xylenes	10.35	106	1459904	109.814	ug/l	100
69) o-Xylene	10.70	106	711750	54.684	ug/l	99
70) Styrene	10.71	104	1217461	55.957	ug/l	99
71) Bromoform	10.85	173	345519	49.840	ug/l	99
73) Isopropylbenzene	11.01	105	1878489	54.968	ug/l	99
74) N-amyl acetate	10.89	43	885724	55.891	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	654981	52.536	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	525097m	50.156	ug/l	
77) Bromobenzene	11.25	156	495254	54.361	ug/l	99
78) n-propylbenzene	11.35	91	2188659	57.493	ug/l	100
79) 2-Chlorotoluene	11.42	91	1265619	55.180	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1608143	56.494	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	220038	54.099	ug/l	96
82) 4-Chlorotoluene	11.51	91	1477979	55.048	ug/l	100
83) tert-Butylbenzene	11.76	119	1633369	57.002	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1617983	56.662	ug/l	99
85) sec-Butylbenzene	11.94	105	1880971	57.116	ug/l	100
86) p-Isopropyltoluene	12.06	119	1734073	57.183	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	882360	54.334	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	882846	53.358	ug/l	100
89) n-Butylbenzene	12.39	91	1528314	57.758	ug/l	100
90) Hexachloroethane	12.59	117	311871	57.721	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	883649	54.435	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	145049	47.754	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	624542	55.156	ug/l	99
94) Hexachlorobutadiene	13.78	225	296552	53.532	ug/l	99
95) Naphthalene	13.83	128	1938853	54.575	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	627230	55.234	ug/l	98

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

