

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101519\
 Data File : VX013067.D
 Acq On : 15 Oct 2019 10:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 9:58:08 AM

Quant Time: Oct 16 06:32:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	177451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	286641	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	126308	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	106320	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
35) Dibromofluoromethane	5.48	113	85696	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	8.71	98	323873	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	11.13	95	131525	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	86698	47.931	ug/l	97
3) Chloromethane	1.32	50	89933	45.685	ug/l	97
4) Vinyl Chloride	1.40	62	91216	44.894	ug/l	99
5) Bromomethane	1.63	94	33446	39.599	ug/l	96
6) Chloroethane	1.70	64	58950	47.516	ug/l	96
7) Trichlorofluoromethane	1.92	101	140225	51.133	ug/l	97
8) Diethyl Ether	2.18	74	51785	46.783	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	91366	51.478	ug/l	99
10) Methyl Iodide	2.50	142	102301	50.789	ug/l	99
11) Tert butyl alcohol	3.03	59	117869	200.475	ug/l	99
12) 1,1-Dichloroethene	2.36	96	86414	48.189	ug/l	93
13) Acrolein	2.28	56	99101	237.181	ug/l	100
14) Allyl chloride	2.72	41	149461	46.802	ug/l	99
15) Acrylonitrile	3.13	53	257477	231.086	ug/l	99
16) Acetone	2.44	43	283317	242.346	ug/l	99
17) Carbon Disulfide	2.56	76	215704	42.186	ug/l	98
18) Methyl Acetate	2.76	43	125153	45.165	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	308391	49.799	ug/l	99
20) Methylene Chloride	2.84	84	101154	47.081	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	93639	48.719	ug/l	97
22) Diisopropyl ether	3.84	45	300888	49.170	ug/l	98
23) Vinyl Acetate	3.80	43	1283072	242.884	ug/l	99
24) 1,1-Dichloroethane	3.69	63	170470	49.518	ug/l	99
25) 2-Butanone	4.65	43	379628	234.062	ug/l	98
26) 2,2-Dichloropropane	4.57	77	146794	50.708	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	109139	49.262	ug/l	98
28) Bromochloromethane	5.00	49	52219	50.763	ug/l #	13
29) Tetrahydrofuran	5.11	42	219406	219.831	ug/l	98
30) Chloroform	5.19	83	175405	49.656	ug/l	99
31) Cyclohexane	5.57	56	150465	46.742	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	153446	51.268	ug/l	98
36) 1,1-Dichloropropene	5.78	75	128592	51.025	ug/l	99
37) Ethyl Acetate	4.82	43	133633	47.421	ug/l	99
38) Carbon Tetrachloride	5.77	117	129771	52.903	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	162380	53.130	ug/l	99
40) Benzene	6.13	78	385283	51.762	ug/l	99
41) Methacrylonitrile	5.03	41	74300	47.983	ug/l	99
42) 1,2-Dichloroethane	6.18	62	138762	51.954	ug/l	99
43) Isopropyl Acetate	6.43	43	221856	49.050	ug/l	99
44) Trichloroethene	7.20	130	103540	50.163	ug/l	92
45) 1,2-Dichloropropane	7.50	63	98272	51.802	ug/l	96
46) Dibromomethane	7.65	93	67154	53.131	ug/l	100
47) Bromodichloromethane	7.89	83	133020	53.929	ug/l	97
48) Methyl methacrylate	7.76	41	108536	49.242	ug/l	100
49) 1,4-Dioxane	7.73	88	51560	876.201	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	679862	241.086	ug/l	99
52) Toluene	8.78	92	248239	52.130	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	147659	48.057	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	163743	53.975	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	102170	54.216	ug/l	98
56) Ethyl methacrylate	9.17	69	158729	47.146	ug/l	99
57) 1,3-Dichloropropane	9.36	76	166932	51.209	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	343802	248.341	ug/l	99
59) 2-Hexanone	9.48	43	551116	251.056	ug/l	100
60) Dibromochloromethane	9.57	129	103774	49.503	ug/l	100
61) 1,2-Dibromoethane	9.67	107	103637	52.278	ug/l	99
64) Tetrachloroethene	9.33	164	99715	56.168	ug/l	97
65) Chlorobenzene	10.14	112	265615	52.257	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	97545	55.350	ug/l	99
67) Ethyl Benzene	10.25	91	482248	53.413	ug/l	98
68) m/p-Xylenes	10.35	106	364648	108.110	ug/l	99
69) o-Xylene	10.70	106	177467	53.955	ug/l	98
70) Styrene	10.71	104	308106	55.101	ug/l	100
71) Bromoform	10.85	173	72018	48.097	ug/l #	99
73) Isopropylbenzene	11.01	105	480779	51.772	ug/l	100
74) N-amyl acetate	10.89	43	195608	48.909	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	150942	48.870	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	145102m	51.794	ug/l	
77) Bromobenzene	11.25	156	112384	51.356	ug/l	100
78) n-propylbenzene	11.35	91	536283	52.482	ug/l	99
79) 2-Chlorotoluene	11.42	91	320626	49.926	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	393984	50.809	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	49229	45.580	ug/l	97
82) 4-Chlorotoluene	11.51	91	367053	49.866	ug/l	99
83) tert-Butylbenzene	11.76	119	371000	49.047	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	399844	50.915	ug/l	96
85) sec-Butylbenzene	11.94	105	440766	50.296	ug/l	100
86) p-Isopropyltoluene	12.06	119	433310	53.314	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	205670	50.611	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	204673	49.731	ug/l	99
89) n-Butylbenzene	12.39	91	368334	53.922	ug/l	99
90) Hexachloroethane	12.59	117	69839	46.548	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	207301	52.035	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	35144	48.546	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	129967	52.078	ug/l	99
94) Hexachlorobutadiene	13.78	225	62763	54.494	ug/l	99
95) Naphthalene	13.83	128	426025	49.245	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	130390	50.559	ug/l	100

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

