

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112719\
 Data File : VX013641.D
 Acq On : 27 Nov 2019 10:22
 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
 12/2/2019 12:48:04 PM

Quant Time: Nov 28 00:49:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	667117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1000150	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	903432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	454232	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	360220	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
35) Dibromofluoromethane	5.48	113	291980	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
50) Toluene-d8	8.71	98	1119468	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
62) 4-Bromofluorobenzene	11.14	95	406741	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	379738	51.140	ug/l	98
3) Chloromethane	1.32	50	397143	47.666	ug/l	99
4) Vinyl Chloride	1.40	62	458254	48.867	ug/l	100
5) Bromomethane	1.63	94	283739	45.054	ug/l	100
6) Chloroethane	1.71	64	246012	46.101	ug/l	97
7) Trichlorofluoromethane	1.92	101	492031	47.252	ug/l	99
8) Diethyl Ether	2.18	74	232705	49.397	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	306269	48.152	ug/l	98
10) Methyl Iodide	2.50	142	384158	49.930	ug/l	100
11) Tert butyl alcohol	3.03	59	387179	202.563	ug/l	100
12) 1,1-Dichloroethene	2.36	96	302272	47.611	ug/l	97
13) Acrolein	2.28	56	285136	223.707	ug/l	99
14) Allyl chloride	2.72	41	550583	47.788	ug/l	99
15) Acrylonitrile	3.13	53	938366	237.834	ug/l	100
16) Acetone	2.43	43	1073036	280.666	ug/l	100
17) Carbon Disulfide	2.56	76	836419	46.215	ug/l	99
18) Methyl Acetate	2.76	43	525931	49.401	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1051578	49.999	ug/l	99
20) Methylene Chloride	2.84	84	346432	47.166	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	329660	47.664	ug/l	99
22) Diisopropyl ether	3.84	45	1095043	49.360	ug/l	97
23) Vinyl Acetate	3.80	43	4620452	250.356	ug/l	100
24) 1,1-Dichloroethane	3.69	63	583605	48.122	ug/l	98
25) 2-Butanone	4.65	43	1461649	257.244	ug/l	100
26) 2,2-Dichloropropane	4.57	77	482544	48.090	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	377244	47.496	ug/l	99
28) Bromochloromethane	5.00	49	238336	49.730	ug/l	99
29) Tetrahydrofuran	5.11	42	842213	240.443	ug/l	99
30) Chloroform	5.20	83	573067	46.593	ug/l	99
31) Cyclohexane	5.56	56	540723	47.271	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	489719	47.647	ug/l	99
36) 1,1-Dichloropropene	5.79	75	439904	48.454	ug/l	100
37) Ethyl Acetate	4.81	43	509237	49.998	ug/l	100
38) Carbon Tetrachloride	5.77	117	422394	50.456	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	565123	50.357	ug/l	99
40) Benzene	6.13	78	1334372	48.257	ug/l	98
41) Methacrylonitrile	5.03	41	291156	52.125	ug/l	99
42) 1,2-Dichloroethane	6.18	62	474730	50.341	ug/l	100
43) Isopropyl Acetate	6.43	43	833093	49.684	ug/l	99
44) Trichloroethene	7.20	130	368544	48.564	ug/l	99
45) 1,2-Dichloropropane	7.51	63	352828	51.000	ug/l	99
46) Dibromomethane	7.65	93	235101	50.035	ug/l	99
47) Bromodichloromethane	7.89	83	455442	51.273	ug/l	96
48) Methyl methacrylate	7.76	41	421055	51.682	ug/l	99
49) 1,4-Dioxane	7.73	88	157599	864.201	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2594067	245.944	ug/l	100
52) Toluene	8.78	92	849757	49.468	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	518143	51.247	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	571980	51.781	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	351555	50.785	ug/l	99
56) Ethyl methacrylate	9.17	69	573688	51.547	ug/l	99
57) 1,3-Dichloropropane	9.37	76	591985	49.613	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1079978	247.498	ug/l	99
59) 2-Hexanone	9.48	43	2080034	252.855	ug/l	99
60) Dibromochloromethane	9.57	129	370790	51.613	ug/l	99
61) 1,2-Dibromoethane	9.67	107	365415	49.424	ug/l	100
64) Tetrachloroethene	9.33	164	344315	51.106	ug/l	98
65) Chlorobenzene	10.14	112	908676	48.444	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	342903	50.910	ug/l	99
67) Ethyl Benzene	10.25	91	1622987	50.353	ug/l	100
68) m/p-Xylenes	10.35	106	1235502	100.120	ug/l	100
69) o-Xylene	10.70	106	600138	49.865	ug/l	99
70) Styrene	10.71	104	1036389	51.191	ug/l	100
71) Bromoform	10.85	173	293016	52.577	ug/l #	100
73) Isopropylbenzene	11.01	105	1586184	49.782	ug/l	100
74) N-amyl acetate	10.89	43	742481	50.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	544523	49.279	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	438951m	42.965	ug/l	
77) Bromobenzene	11.25	156	420625	48.866	ug/l	99
78) n-propylbenzene	11.35	91	1809401	50.871	ug/l	100
79) 2-Chlorotoluene	11.42	91	1053927	49.395	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1337896	51.232	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	191330	51.235	ug/l	98
82) 4-Chlorotoluene	11.51	91	1223707	49.518	ug/l	100
83) tert-Butylbenzene	11.76	119	1322350	49.825	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1344152	50.716	ug/l	100
85) sec-Butylbenzene	11.94	105	1541872	50.863	ug/l	100
86) p-Isopropyltoluene	12.06	119	1440889	51.093	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	747584	49.823	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	738923	48.348	ug/l	99
89) n-Butylbenzene	12.39	91	1275523	53.030	ug/l	100
90) Hexachloroethane	12.59	117	253738	49.778	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	735103	49.584	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	116844	48.558	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	532463	51.534	ug/l	99
94) Hexachlorobutadiene	13.78	225	248589	50.085	ug/l	99
95) Naphthalene	13.83	128	1589636	51.662	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	521425	50.970	ug/l	100

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

