

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112119\
 Data File : VX013518.D
 Acq On : 21 Nov 2019 21:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 8:44:09 AM

Quant Time: Nov 22 06:10:43 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	5.65	168	660689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1016946	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	908610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	467396	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	387063	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
35) Dibromofluoromethane	5.49	113	324747	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	8.71	98	1206086	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	11.14	95	439908	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	306502	40.263	ug/l	99
3) Chloromethane	1.31	50	342269	41.461	ug/l	98
4) Vinyl Chloride	1.40	62	420909	44.786	ug/l	100
5) Bromomethane	1.62	94	279029	42.604	ug/l	95
6) Chloroethane	1.70	64	231968	43.011	ug/l	99
7) Trichlorofluoromethane	1.92	101	479730	43.205	ug/l	100
8) Diethyl Ether	2.18	74	228018	46.438	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	288395	46.600	ug/l	99
10) Methyl Iodide	2.50	142	320542	41.835	ug/l	97
11) Tert butyl alcohol	3.03	59	455357	220.723	ug/l	100
12) 1,1-Dichloroethene	2.36	96	290321	47.904	ug/l	98
13) Acrolein	2.28	56	204134	182.572	ug/l	98
14) Allyl chloride	2.72	41	541974	49.219	ug/l	95
15) Acrylonitrile	3.13	53	991017	257.164	ug/l	99
16) Acetone	2.43	43	836313	214.214	ug/l	99
17) Carbon Disulfide	2.56	76	681546	42.016	ug/l	99
18) Methyl Acetate	2.76	43	578599	53.681	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1069007	52.886	ug/l	98
20) Methylene Chloride	2.84	84	338595	46.940	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	309253	46.866	ug/l	98
22) Diisopropyl ether	3.84	45	1112494	52.331	ug/l	98
23) Vinyl Acetate	3.80	43	4613184	253.594	ug/l	99
24) 1,1-Dichloroethane	3.69	63	598413	50.319	ug/l	98
25) 2-Butanone	4.65	43	1391832	243.014	ug/l	98
26) 2,2-Dichloropropane	4.58	77	440303	46.540	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	431106	58.322	ug/l	97
28) Bromochloromethane	5.00	49	181104	53.634	ug/l #	99
29) Tetrahydrofuran	5.11	42	892016	252.735	ug/l	99
30) Chloroform	5.20	83	595503	50.711	ug/l	96
31) Cyclohexane	5.57	56	492691	46.041	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	501879	49.662	ug/l	99
36) 1,1-Dichloropropene	5.79	75	420226	48.168	ug/l	99
37) Ethyl Acetate	4.81	43	537541	49.864	ug/l	100
38) Carbon Tetrachloride	5.77	117	423483	49.640	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	494076	45.451	ug/l	97
40) Benzene	6.13	78	1326380	48.808	ug/l	99
41) Methacrylonitrile	5.03	41	303800	50.279	ug/l	98
42) 1,2-Dichloroethane	6.18	62	472808	48.234	ug/l	100
43) Isopropyl Acetate	6.44	43	868492	51.737	ug/l	98
44) Trichloroethene	7.20	130	436859	58.400	ug/l	98
45) 1,2-Dichloropropane	7.51	63	357319	51.605	ug/l	99
46) Dibromomethane	7.65	93	231340	48.933	ug/l	97
47) Bromodichloromethane	7.89	83	469023	52.611	ug/l	97
48) Methyl methacrylate	7.76	41	430120	51.330	ug/l	97
49) 1,4-Dioxane	7.73	88	170286	887.373	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2776344	252.087	ug/l	98
52) Toluene	8.78	92	844708	50.151	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	512838	52.607	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	562545	51.587	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	355216	50.881	ug/l	97
56) Ethyl methacrylate	9.17	69	586307	49.218	ug/l	97
57) 1,3-Dichloropropane	9.37	76	599906	50.621	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1184467	248.135	ug/l	100
59) 2-Hexanone	9.48	43	2124852	249.662	ug/l	98
60) Dibromochloromethane	9.57	129	382606	53.587	ug/l	99
61) 1,2-Dibromoethane	9.67	107	368069	49.650	ug/l	99
64) Tetrachloroethene	9.33	164	305784	47.011	ug/l	96
65) Chlorobenzene	10.14	112	919986	50.012	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	354379	52.467	ug/l	99
67) Ethyl Benzene	10.25	91	1605678	50.575	ug/l	99
68) m/p-Xylenes	10.36	106	1215876	101.265	ug/l	100
69) o-Xylene	10.70	106	601239	51.147	ug/l	99
70) Styrene	10.71	104	1040051	52.929	ug/l	98
71) Bromoform	10.85	173	304713	48.743	ug/l	97
73) Isopropylbenzene	11.01	105	1591832	51.368	ug/l	100
74) N-amyl acetate	10.89	43	777620	54.113	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	579286	51.240	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	454390m	47.864	ug/l	
77) Bromobenzene	11.25	156	421447	51.015	ug/l	98
78) n-propylbenzene	11.35	91	1777368	51.488	ug/l	99
79) 2-Chlorotoluene	11.42	91	1062486	51.085	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1331976	51.602	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	188101	51.000	ug/l	97
82) 4-Chlorotoluene	11.51	91	1220227	50.120	ug/l	100
83) tert-Butylbenzene	11.76	119	1363822	52.488	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	1326991	51.248	ug/l	98
85) sec-Butylbenzene	11.94	105	1542546	51.654	ug/l	99
86) p-Isopropyltoluene	12.06	119	1419134	51.608	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	731717	49.689	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	733027	48.857	ug/l	99
89) n-Butylbenzene	12.39	91	1204226	50.188	ug/l	99
90) Hexachloroethane	12.59	117	258001	52.659	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	758715	51.543	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	130285	47.302	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	516668	50.319	ug/l	98
94) Hexachlorobutadiene	13.78	225	231463	46.077	ug/l	100
95) Naphthalene	13.83	128	1661696	51.581	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	520226	50.521	ug/l	99

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

