

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100119\
 Data File : VX012723.D
 Acq On : 01 Oct 2019 10:31
 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
 10/2/2019 10:07:17 AM

Quant Time: Oct 02 05:33:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	184829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	316388	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	283522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	134308	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	122938	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
35) Dibromofluoromethane	5.48	113	94326	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
50) Toluene-d8	8.71	98	349844	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
62) 4-Bromofluorobenzene	11.13	95	141144	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	85625	41.180	ug/l	97
3) Chloromethane	1.32	50	95521m	40.007	ug/l	
4) Vinyl Chloride	1.40	62	100608	42.393	ug/l	100
5) Bromomethane	1.62	94	37750	40.457	ug/l	99
6) Chloroethane	1.71	64	65195	40.750	ug/l	96
7) Trichlorofluoromethane	1.92	101	146047	43.832	ug/l	100
8) Diethyl Ether	2.18	74	61077	44.729	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	93565	46.104	ug/l	97
10) Methyl Iodide	2.50	142	89418	42.633	ug/l	95
11) Tert butyl alcohol	3.03	59	147721	219.710	ug/l	99
12) 1,1-Dichloroethene	2.36	96	90705	45.644	ug/l	95
13) Acrolein	2.28	56	87936	235.408	ug/l	99
14) Allyl chloride	2.72	41	175422	44.493	ug/l	97
15) Acrylonitrile	3.13	53	310463	227.604	ug/l	98
16) Acetone	2.43	43	348541	244.484	ug/l	96
17) Carbon Disulfide	2.56	76	236961	42.534	ug/l	100
18) Methyl Acetate	2.76	43	148080	44.113	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	352089	46.809	ug/l	98
20) Methylene Chloride	2.84	84	107366	44.527	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	100096	45.465	ug/l	98
22) Diisopropyl ether	3.84	45	347441	45.606	ug/l	92
23) Vinyl Acetate	3.80	43	1547319	231.603	ug/l	98
24) 1,1-Dichloroethane	3.68	63	186597	45.059	ug/l	100
25) 2-Butanone	4.65	43	470083	229.968	ug/l	96
26) 2,2-Dichloropropane	4.56	77	162116	44.016	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	117844	46.131	ug/l	93
28) Bromochloromethane	5.00	49	69408	46.160	ug/l	98
29) Tetrahydrofuran	5.11	42	274828	220.585	ug/l	97
30) Chloroform	5.19	83	190553	44.976	ug/l	97
31) Cyclohexane	5.56	56	168946	45.096	ug/l	93
32) 1,1,1-Trichloroethane	5.48	97	168164	44.785	ug/l	99
36) 1,1-Dichloropropene	5.78	75	141107	46.270	ug/l	98
37) Ethyl Acetate	4.81	43	164407	46.113	ug/l	97
38) Carbon Tetrachloride	5.77	117	143433	46.300	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	174182	47.443	ug/l	96
40) Benzene	6.13	78	419664	46.770	ug/l	98
41) Methacrylonitrile	5.03	41	93101	46.541	ug/l	95
42) 1,2-Dichloroethane	6.18	62	158967	46.654	ug/l	98
43) Isopropyl Acetate	6.43	43	272116	45.639	ug/l	97
44) Trichloroethene	7.20	130	110010	47.958	ug/l	93
45) 1,2-Dichloropropane	7.51	63	108961	47.431	ug/l	100
46) Dibromomethane	7.65	93	74538	47.655	ug/l	97
47) Bromodichloromethane	7.89	83	149293	47.758	ug/l	97
48) Methyl methacrylate	7.76	41	132201	46.241	ug/l	94
49) 1,4-Dioxane	7.73	88	61603	949.995	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	841522	228.645	ug/l	96
52) Toluene	8.78	92	271229	48.094	ug/l	97
53) t-1,3-Dichloropropene	9.03	75	170373	49.259	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	184459	48.846	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	110213	49.156	ug/l	98
56) Ethyl methacrylate	9.17	69	181384	48.154	ug/l	92
57) 1,3-Dichloropropane	9.36	76	188834	48.122	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	428049	253.163	ug/l	99
59) 2-Hexanone	9.48	43	659132	233.969	ug/l	95
60) Dibromochloromethane	9.57	129	115919	51.073	ug/l	98
61) 1,2-Dibromoethane	9.67	107	116226	49.809	ug/l	100
64) Tetrachloroethene	9.33	164	98561	49.860	ug/l	94
65) Chlorobenzene	10.14	112	282903	47.384	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	104260	48.197	ug/l	96
67) Ethyl Benzene	10.25	91	516311	47.680	ug/l	99
68) m/p-Xylenes	10.35	106	391735	96.571	ug/l	99
69) o-Xylene	10.70	106	187151	47.680	ug/l	99
70) Styrene	10.71	104	327793	49.816	ug/l	99
71) Bromoform	10.85	173	77461	51.426	ug/l #	99
73) Isopropylbenzene	11.01	105	509405	46.568	ug/l	100
74) N-amyl acetate	10.89	43	238621	45.725	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	169339	46.742	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	165994m	46.722	ug/l	
77) Bromobenzene	11.25	156	116849	47.197	ug/l	98
78) n-propylbenzene	11.35	91	580458	47.133	ug/l	99
79) 2-Chlorotoluene	11.42	91	347212	45.195	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	427831	46.639	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	57287	46.209	ug/l	96
82) 4-Chlorotoluene	11.51	91	407607	46.543	ug/l	99
83) tert-Butylbenzene	11.76	119	412360	46.601	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	438207	47.355	ug/l	99
85) sec-Butylbenzene	11.94	105	500718	48.651	ug/l	100
86) p-Isopropyltoluene	12.06	119	466251	50.206	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	215711	48.415	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	220641	49.007	ug/l	99
89) n-Butylbenzene	12.39	91	407681	49.818	ug/l	98
90) Hexachloroethane	12.59	117	78541	47.438	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	214548	48.099	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	43482	47.981	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	144237	53.023	ug/l	99
94) Hexachlorobutadiene	13.78	225	63706	54.437	ug/l	97
95) Naphthalene	13.83	128	509707	51.789	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	143114	52.519	ug/l	100

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

