

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052019\
 Data File : VX009715.D
 Acq On : 20 May 2019 10:28
 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
 5/21/2019 9:13:24 AM

Quant Time: May 20 14:13:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	166792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	258586	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121180	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	94972	41.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.42%	
35) Dibromofluoromethane	5.49	113	71360	43.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.80%	
50) Toluene-d8	8.71	98	280076	42.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.36%	
62) 4-Bromofluorobenzene	11.13	95	106744	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	64322	41.849 ug/l	96
3) Chloromethane	1.32	50	98337	46.862 ug/l	99
4) Vinyl Chloride	1.41	62	96569	47.194 ug/l	98
5) Bromomethane	1.64	94	62649	51.010 ug/l	98
6) Chloroethane	1.71	64	60926	46.376 ug/l	100
7) Trichlorofluoromethane	1.92	101	125495	50.454 ug/l	99
8) Diethyl Ether	2.19	74	59324	50.352 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	78472	50.240 ug/l	99
10) Methyl Iodide	2.51	142	81831	45.542 ug/l	99
11) Tert butyl alcohol	3.06	59	141195	267.897 ug/l	100
12) 1,1-Dichloroethene	2.37	96	75971	48.544 ug/l	96
13) Acrolein	2.29	56	142204	297.926 ug/l	99
14) Allyl chloride	2.72	41	191185	50.129 ug/l	100
15) Acrylonitrile	3.14	53	344733	267.510 ug/l	99
16) Acetone	2.45	43	343827	281.224 ug/l	98
17) Carbon Disulfide	2.56	76	199015	45.294 ug/l	98
18) Methyl Acetate	2.78	43	153804	52.897 ug/l	99
19) Methyl tert-butyl Ether	3.20	73	317358	52.221 ug/l	100
20) Methylene Chloride	2.85	84	95056	48.018 ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	83071	48.945 ug/l	98
22) Diisopropyl ether	3.85	45	381938	52.074 ug/l	100
23) Vinyl Acetate	3.81	43	1710353	272.320 ug/l	100
24) 1,1-Dichloroethane	3.70	63	181424	50.142 ug/l	99
25) 2-Butanone	4.67	43	540154	284.306 ug/l	99
26) 2,2-Dichloropropane	4.58	77	142854	53.043 ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	101360	50.033 ug/l	99
28) Bromochloromethane	5.01	49	63129	42.957 ug/l	99
29) Tetrahydrofuran	5.13	42	336683	275.388 ug/l	99
30) Chloroform	5.21	83	168438	51.471 ug/l	99
31) Cyclohexane	5.57	56	166493	49.459 ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	139688	51.277 ug/l	100
36) 1,1-Dichloropropene	5.79	75	126994	52.846 ug/l	99
37) Ethyl Acetate	4.84	43	190896	57.015 ug/l	99
38) Carbon Tetrachloride	5.78	117	117308	53.729 ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	157565	53.390	ug/l	99
40) Benzene	6.14	78	386065	51.911	ug/l	100
41) Methacrylonitrile	5.04	41	110354	55.369	ug/l	99
42) 1,2-Dichloroethane	6.19	62	144575	54.192	ug/l	98
43) Isopropyl Acetate	6.44	43	307435	57.404	ug/l	99
44) Trichloroethene	7.21	130	93555	52.035	ug/l	97
45) 1,2-Dichloropropane	7.51	63	113648	53.967	ug/l	97
46) Dibromomethane	7.66	93	64275	52.559	ug/l	99
47) Bromodichloromethane	7.90	83	133342	54.662	ug/l	99
48) Methyl methacrylate	7.77	41	154392	58.107	ug/l	99
49) 1,4-Dioxane	7.74	88	53088	985.216	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1031336	294.622	ug/l	99
52) Toluene	8.78	92	239936	53.074	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	159792	58.020	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	170714	56.002	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	99864	54.145	ug/l	97
56) Ethyl methacrylate	9.18	69	188092	57.131	ug/l	99
57) 1,3-Dichloropropane	9.37	76	175566	54.093	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	328068	187.838	ug/l	100
59) 2-Hexanone	9.49	43	807419	293.683	ug/l	99
60) Dibromochloromethane	9.58	129	101884	56.559	ug/l	98
61) 1,2-Dibromoethane	9.67	107	101577	54.560	ug/l	100
64) Tetrachloroethene	9.34	164	86205	52.956	ug/l	99
65) Chlorobenzene	10.13	112	254189	53.544	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	94489	54.900	ug/l	99
67) Ethyl Benzene	10.25	91	469816	53.774	ug/l	99
68) m/p-Xylenes	10.36	106	344792	107.993	ug/l	98
69) o-Xylene	10.69	106	167959	53.318	ug/l	99
70) Styrene	10.71	104	298907	54.594	ug/l	99
71) Bromoform	10.85	173	81280	58.113	ug/l	100
73) Isopropylbenzene	11.02	105	463243	52.569	ug/l	99
74) N-amyl acetate	10.90	43	277363	53.988	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	171303	52.147	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	149619m	53.227	ug/l	
77) Bromobenzene	11.26	156	113685	51.978	ug/l	99
78) n-propylbenzene	11.36	91	537852	53.444	ug/l	99
79) 2-Chlorotoluene	11.42	91	317649	51.160	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	390609	52.644	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	62374	56.776	ug/l	100
82) 4-Chlorotoluene	11.51	91	366131	52.198	ug/l	100
83) tert-Butylbenzene	11.77	119	380083	52.658	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	394022	52.906	ug/l	99
85) sec-Butylbenzene	11.94	105	457248	53.433	ug/l	100
86) p-Isopropyltoluene	12.06	119	417524	54.273	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	206196	52.883	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	204255	51.960	ug/l	99
89) n-Butylbenzene	12.38	91	392981	56.518	ug/l	100
90) Hexachloroethane	12.60	117	72224	55.106	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	204148	51.405	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39622	53.767	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	148151	54.552	ug/l	99
94) Hexachlorobutadiene	13.78	225	78681	56.734	ug/l	99
95) Naphthalene	13.83	128	470967	53.304	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	149332	54.246	ug/l	100

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

