

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042320\
 Data File : VX015902.D
 Acq On : 23 Apr 2020 19:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 11:35:05 AM

Quant Time: Apr 24 07:45:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	832997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1290986	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1211641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	640551	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	483931	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	5.47	113	374860	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	8.70	98	1449623	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	11.12	95	584939	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	416838	58.460	ug/l	100
3) Chloromethane	1.31	50	394450	54.015	ug/l	100
4) Vinyl Chloride	1.39	62	433383	51.273	ug/l	99
5) Bromomethane	1.62	94	175179	61.793	ug/l	96
6) Chloroethane	1.71	64	245981	51.069	ug/l	99
7) Trichlorofluoromethane	1.92	101	572229	54.564	ug/l	99
8) Diethyl Ether	2.17	74	212643	50.000	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.36	101	356411	50.099	ug/l	99
10) Methyl Iodide	2.49	142	448595	51.039	ug/l	100
11) Tert butyl alcohol	3.01	59	500517	258.567	ug/l	99
12) 1,1-Dichloroethene	2.36	96	374971	51.394	ug/l	99
13) Acrolein	2.27	56	294844	257.422	ug/l	99
14) Allyl chloride	2.71	41	779270	50.263	ug/l	98
15) Acrylonitrile	3.12	53	1200330	267.148	ug/l	100
16) Acetone	2.42	43	991394	240.322	ug/l	99
17) Carbon Disulfide	2.55	76	964092	36.387	ug/l	99
18) Methyl Acetate	2.75	43	689422	50.623	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	1396219	54.207	ug/l	99
20) Methylene Chloride	2.84	84	431782	51.558	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	425707	52.588	ug/l	95
22) Diisopropyl ether	3.83	45	1501398	53.729	ug/l	97
23) Vinyl Acetate	3.79	43	6224080	269.117	ug/l	100
24) 1,1-Dichloroethane	3.67	63	781257	53.640	ug/l	100
25) 2-Butanone	4.64	43	1710033	262.260	ug/l	99
26) 2,2-Dichloropropane	4.55	77	601656	46.244	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	486254	52.910	ug/l	99
28) Bromochloromethane	4.98	49	369915	48.403	ug/l #	100
29) Tetrahydrofuran	5.09	42	1118812	259.417	ug/l	100
30) Chloroform	5.18	83	779931	53.223	ug/l	98
31) Cyclohexane	5.55	56	716328	51.751	ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	701472	53.688	ug/l	99
36) 1,1-Dichloropropene	5.77	75	589242	51.485	ug/l	99
37) Ethyl Acetate	4.79	43	693985	50.950	ug/l	99
38) Carbon Tetrachloride	5.76	117	618110	54.830	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	696170	48.034	ug/l	100
40) Benzene	6.12	78	1755295	50.922	ug/l	100
41) Methacrylonitrile	5.01	41	387526	51.201	ug/l	97
42) 1,2-Dichloroethane	6.17	62	646502	52.084	ug/l	99
43) Isopropyl Acetate	6.42	43	1175601	51.166	ug/l	99
44) Trichloroethene	7.19	130	582752	48.106	ug/l	99
45) 1,2-Dichloropropane	7.49	63	471878	52.237	ug/l	99
46) Dibromomethane	7.64	93	310155	47.034	ug/l	98
47) Bromodichloromethane	7.88	83	643474	54.851	ug/l	98
48) Methyl methacrylate	7.75	41	585383	51.795	ug/l	99
49) 1,4-Dioxane	7.72	88	207666	972.249	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	3404054	256.676	ug/l	100
52) Toluene	8.76	92	1137345	51.476	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	749312	51.479	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	790593	51.390	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	459149	53.219	ug/l	96
56) Ethyl methacrylate	9.16	69	761307	52.096	ug/l	100
57) 1,3-Dichloropropane	9.36	76	790477	52.726	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	1891526	259.101	ug/l	99
59) 2-Hexanone	9.47	43	2573097	254.683	ug/l	100
60) Dibromochloromethane	9.57	129	519088	58.262	ug/l	96
61) 1,2-Dibromoethane	9.65	107	483303	50.686	ug/l	98
64) Tetrachloroethene	9.32	164	721598	44.184	ug/l #	85
65) Chlorobenzene	10.12	112	1240084	51.182	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	484717	53.520	ug/l	98
67) Ethyl Benzene	10.24	91	2175061	51.120	ug/l	100
68) m/p-Xylenes	10.34	106	1637290	102.520	ug/l	100
69) o-Xylene	10.68	106	800952	50.965	ug/l	99
70) Styrene	10.70	104	1407831	51.736	ug/l	100
71) Bromoform	10.84	173	402538	68.208	ug/l #	96
73) Isopropylbenzene	11.01	105	2132545	52.421	ug/l	99
74) N-amyl acetate	10.88	43	1079148	51.384	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	497784	57.818	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	632880m	51.958	ug/l	
77) Bromobenzene	11.24	156	579852	52.166	ug/l	97
78) n-propylbenzene	11.34	91	2453492	52.647	ug/l	100
79) 2-Chlorotoluene	11.40	91	1475751	52.718	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1836899	52.954	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	247909	48.959	ug/l	98
82) 4-Chlorotoluene	11.50	91	1744057	52.430	ug/l	100
83) tert-Butylbenzene	11.76	119	1646698	53.517	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	1888225	52.432	ug/l	99
85) sec-Butylbenzene	11.93	105	2064535	50.899	ug/l	99
86) p-Isopropyltoluene	12.05	119	1985766	52.356	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	1018083	49.896	ug/l	96
88) 1,4-Dichlorobenzene	12.08	146	1031542	50.504	ug/l	97
89) n-Butylbenzene	12.37	91	1719123	50.696	ug/l	98
90) Hexachloroethane	12.58	117	322624	80.520	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	983140	50.802	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	150740	59.040	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	758045	49.714	ug/l	99
94) Hexachlorobutadiene	13.77	225	339968	49.727	ug/l	98
95) Naphthalene	13.82	128	2240977	51.083	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	734014	49.341	ug/l	98

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

