

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032720\
 Data File : VX015421.D
 Acq On : 28 Mar 2020 07:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 3/30/2020 3:00:35 PM

Quant Time: Mar 30 01:57:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1067483	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.84	114	1712285	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1568825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	856828	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	704090	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
35) Dibromofluoromethane	5.47	113	508106	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
50) Toluene-d8	8.70	98	1920957	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
62) 4-Bromofluorobenzene	11.12	95	790603	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	516213	54.889	ug/l	98
3) Chloromethane	1.31	50	589745	49.240	ug/l	98
4) Vinyl Chloride	1.39	62	549105	49.930	ug/l	98
5) Bromomethane	1.62	94	289735	58.534	ug/l	93
6) Chloroethane	1.71	64	331540	48.609	ug/l	100
7) Trichlorofluoromethane	1.91	101	776244	52.632	ug/l	99
8) Diethyl Ether	2.17	74	291079	46.792	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	503513	52.370	ug/l	97
10) Methyl Iodide	2.49	142	537785	41.487	ug/l	99
11) Tert butyl alcohol	3.01	59	763285	211.808	ug/l	99
12) 1,1-Dichloroethene	2.36	96	522870	51.881	ug/l	95
13) Acrolein	2.27	56	432515	210.695	ug/l	100
14) Allyl chloride	2.71	41	1137803	48.317	ug/l	99
15) Acrylonitrile	3.12	53	1722235	250.600	ug/l	100
16) Acetone	2.42	43	1568557	242.500	ug/l	99
17) Carbon Disulfide	2.55	76	1554922	50.576	ug/l	99
18) Methyl Acetate	2.75	43	819960	49.668	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	1947218	49.817	ug/l	99
20) Methylene Chloride	2.84	84	584775	48.401	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	553668	49.502	ug/l	94
22) Diisopropyl ether	3.83	45	2113017	50.638	ug/l	89
23) Vinyl Acetate	3.79	43	9484294	251.037	ug/l	100
24) 1,1-Dichloroethane	3.67	63	1090874	49.652	ug/l	99
25) 2-Butanone	4.64	43	2510511	241.341	ug/l	98
26) 2,2-Dichloropropane	4.56	77	627948	34.821	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	640495	49.496	ug/l	99
28) Bromochloromethane	4.98	49	532717	50.785	ug/l	98
29) Tetrahydrofuran	5.09	42	1626792	243.263	ug/l	100
30) Chloroform	5.18	83	1059841	50.141	ug/l	96
31) Cyclohexane	5.56	56	1004680	52.714	ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	967268	50.565	ug/l	99
36) 1,1-Dichloropropene	5.78	75	805667	51.067	ug/l	100
37) Ethyl Acetate	4.80	43	1003940	48.871	ug/l	100
38) Carbon Tetrachloride	5.76	117	864226	50.575	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	939654	51.656	ug/l	98
40) Benzene	6.12	78	2316498	50.125	ug/l	98
41) Methacrylonitrile	5.01	41	576693	50.571	ug/l	100
42) 1,2-Dichloroethane	6.17	62	919643	49.541	ug/l	100
43) Isopropyl Acetate	6.42	43	1721269	49.636	ug/l	99
44) Trichloroethene	7.19	130	627339	49.773	ug/l	100
45) 1,2-Dichloropropane	7.50	63	628277	49.696	ug/l	99
46) Dibromomethane	7.64	93	408352	49.240	ug/l	99
47) Bromodichloromethane	7.88	83	876026	49.574	ug/l	100
48) Methyl methacrylate	7.75	41	855723	49.403	ug/l	99
49) 1,4-Dioxane	7.72	88	278176	860.887	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	4894260	249.038	ug/l	100
52) Toluene	8.77	92	1452092	50.964	ug/l	97
53) t-1,3-Dichloropropene	9.03	75	953984	46.031	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	999173	47.328	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	578049	49.518	ug/l	99
56) Ethyl methacrylate	9.16	69	1034707	50.294	ug/l	99
57) 1,3-Dichloropropane	9.36	76	1019922	48.494	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	2462863	246.118	ug/l	99
59) 2-Hexanone	9.48	43	3732172	251.539	ug/l	100
60) Dibromochloromethane	9.57	129	697297	49.710	ug/l	100
61) 1,2-Dibromoethane	9.65	107	617194	48.624	ug/l	97
64) Tetrachloroethene	9.32	164	592908	50.079	ug/l	98
65) Chlorobenzene	10.12	112	1569158	50.153	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	612895	49.034	ug/l	99
67) Ethyl Benzene	10.24	91	2802137	50.498	ug/l	99
68) m/p-Xylenes	10.34	106	2103512	101.802	ug/l	99
69) o-Xylene	10.68	106	1032806	50.582	ug/l	98
70) Styrene	10.70	104	1789796	49.814	ug/l	100
71) Bromoform	10.84	173	517763	45.503	ug/l #	95
73) Isopropylbenzene	11.00	105	2731629	48.656	ug/l	100
74) N-amyl acetate	10.88	43	1540624	49.340	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	893273	46.370	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	834688m	47.372	ug/l	
77) Bromobenzene	11.24	156	693891	46.337	ug/l	97
78) n-propylbenzene	11.35	91	3170548	49.389	ug/l	99
79) 2-Chlorotoluene	11.40	91	1892679	48.102	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	2358631	49.193	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.06	75	303591	41.342	ug/l	100
82) 4-Chlorotoluene	11.50	91	2219777	48.123	ug/l	100
83) tert-Butylbenzene	11.76	119	2265692	48.378	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	2390602	48.928	ug/l	99
85) sec-Butylbenzene	11.93	105	2616570	48.308	ug/l	100
86) p-Isopropyltoluene	12.05	119	2448978	48.703	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	1252329	46.715	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	1295261	47.434	ug/l	97
89) n-Butylbenzene	12.37	91	2235971	49.207	ug/l	99
90) Hexachloroethane	12.58	117	465754	47.589	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	1231208	46.929	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	237064	43.601	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	952876	45.917	ug/l	99
94) Hexachlorobutadiene	13.77	225	373585	37.811	ug/l	94
95) Naphthalene	13.82	128	2986967	47.187	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	964512	48.274	ug/l	98

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

