

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042120\
 Data File : VX015811.D
 Acq On : 21 Apr 2020 21:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/22/2020 10:00:46 AM

Quant Time: Apr 22 06:41:46 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	892915	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1381668	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1294939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	668945	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	542598	43.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.18%	
35) Dibromofluoromethane	5.47	113	429052	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
50) Toluene-d8	8.70	98	1623588	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	11.12	95	678737	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	302176	38.412	ug/l	99
3) Chloromethane	1.31	50	361982	36.132	ug/l	97
4) Vinyl Chloride	1.39	62	429075	46.644	ug/l	99
5) Bromomethane	1.62	94	130796	27.149	ug/l	97
6) Chloroethane	1.71	64	267535	46.893	ug/l	97
7) Trichlorofluoromethane	1.92	101	578741	46.913	ug/l	98
8) Diethyl Ether	2.17	74	251737	48.379	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	406136	50.500	ug/l	97
10) Methyl Iodide	2.49	142	440552	40.630	ug/l	96
11) Tert butyl alcohol	3.02	59	623122	206.719	ug/l	100
12) 1,1-Dichloroethene	2.36	96	414832	49.209	ug/l	96
13) Acrolein	2.28	56	520211	302.958	ug/l	99
14) Allyl chloride	2.71	41	902318	45.809	ug/l	96
15) Acrylonitrile	3.12	53	1487630	258.782	ug/l	98
16) Acetone	2.42	43	1286974	237.866	ug/l	93
17) Carbon Disulfide	2.55	76	1055021	41.025	ug/l	100
18) Methyl Acetate	2.75	43	802300	58.099	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	1658222	50.718	ug/l	99
20) Methylene Chloride	2.84	84	494889	48.970	ug/l	93
21) trans-1,2-Dichloroethene	3.14	96	452369	48.352	ug/l	98
22) Diisopropyl ether	3.83	45	1766251	50.603	ug/l	86
23) Vinyl Acetate	3.79	43	7669407	242.686	ug/l	99
24) 1,1-Dichloroethane	3.67	63	896116	48.762	ug/l	98
25) 2-Butanone	4.64	43	2112381	242.768	ug/l	100
26) 2,2-Dichloropropane	4.56	77	701045	46.475	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	557801	51.533	ug/l	96
28) Bromochloromethane	4.99	49	387098	44.118	ug/l	95
29) Tetrahydrofuran	5.09	42	1369963	244.908	ug/l	97
30) Chloroform	5.19	83	900780	50.947	ug/l	95
31) Cyclohexane	5.55	56	762713	47.842	ug/l	99
32) 1,1,1-Trichloroethane	5.47	97	800488	50.027	ug/l	98
36) 1,1-Dichloropropene	5.78	75	646775	50.805	ug/l	98
37) Ethyl Acetate	4.80	43	834656	50.353	ug/l	99
38) Carbon Tetrachloride	5.76	117	660054	47.870	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	752267	51.250	ug/l	96
40) Benzene	6.12	78	1987599	53.299	ug/l	99
41) Methacrylonitrile	5.01	41	480271	52.194	ug/l	97
42) 1,2-Dichloroethane	6.17	62	737017	49.203	ug/l	97
43) Isopropyl Acetate	6.42	43	1429225	51.076	ug/l	98
44) Trichloroethene	7.19	130	698167	68.648	ug/l	93
45) 1,2-Dichloropropane	7.50	63	543038	53.232	ug/l	97
46) Dibromomethane	7.64	93	360040	53.803	ug/l	94
47) Bromodichloromethane	7.88	83	732093	51.342	ug/l	95
48) Methyl methacrylate	7.75	41	711412	50.900	ug/l	94
49) 1,4-Dioxane	7.72	88	236849	908.386	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	4256309	268.401	ug/l	98
52) Toluene	8.77	92	1263830	54.971	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	874280	52.279	ug/l	96
54) cis-1,3-Dichloropropene	8.42	75	901668	52.929	ug/l	93
55) 1,1,2-Trichloroethane	9.20	97	536532	56.960	ug/l	99
56) Ethyl methacrylate	9.16	69	904523	54.487	ug/l	95
57) 1,3-Dichloropropane	9.36	76	910139	53.629	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	1943026	240.633	ug/l	98
59) 2-Hexanone	9.48	43	3223813	269.269	ug/l	96
60) Dibromochloromethane	9.57	129	594390	52.514	ug/l	98
61) 1,2-Dibromoethane	9.65	107	558960	54.574	ug/l	99
64) Tetrachloroethene	9.32	164	932614	95.432	ug/l	99
65) Chlorobenzene	10.12	112	1412215	54.684	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	567474	55.003	ug/l	100
67) Ethyl Benzene	10.24	91	2482842	54.207	ug/l	99
68) m/p-Xylenes	10.34	106	1855729	108.805	ug/l	98
69) o-Xylene	10.68	106	922396	54.730	ug/l	99
70) Styrene	10.70	104	1639608	55.286	ug/l	98
71) Bromoform	10.84	173	475743	50.653	ug/l #	100
73) Isopropylbenzene	11.01	105	2460647	56.140	ug/l	99
74) N-amyl acetate	10.89	43	1317121	54.030	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	590108	39.236	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	747557m	54.343	ug/l	
77) Bromobenzene	11.24	156	675223	57.754	ug/l	94
78) n-propylbenzene	11.35	91	2766075	55.190	ug/l	99
79) 2-Chlorotoluene	11.41	91	1673691	54.483	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	2101903	56.151	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	298537	52.073	ug/l	95
82) 4-Chlorotoluene	11.49	91	2005265	55.682	ug/l	99
83) tert-Butylbenzene	11.76	119	1893003	51.773	ug/l	93
84) 1,2,4-Trimethylbenzene	11.79	105	2144130	56.209	ug/l	99
85) sec-Butylbenzene	11.93	105	2425336	57.354	ug/l	100
86) p-Isopropyltoluene	12.05	119	2258899	57.540	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	1193827	57.040	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	1200206	56.298	ug/l	99
89) n-Butylbenzene	12.37	91	1980954	55.839	ug/l	99
90) Hexachloroethane	12.58	117	227067	29.717	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	1179113	57.567	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	192459	45.339	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	933723	57.632	ug/l	97
94) Hexachlorobutadiene	13.77	225	397002	51.467	ug/l	95
95) Naphthalene	13.82	128	2826067	57.184	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	904541	57.988	ug/l	99

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

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