

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040720\
 Data File : VX015554.D
 Acq On : 07 Apr 2020 21:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/8/2020 11:13:11 AM

Quant Time: Apr 08 04:06:28 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	5.63	168	1029508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1652603	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1536022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	845256	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	709355	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
35) Dibromofluoromethane	5.47	113	515765	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	8.70	98	1910916	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	11.12	95	790937	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	458662	50.568	ug/l	98
3) Chloromethane	1.31	50	522433	45.229	ug/l	99
4) Vinyl Chloride	1.39	62	518659	48.902	ug/l	96
5) Bromomethane	1.62	94	211622	41.989	ug/l	99
6) Chloroethane	1.70	64	325016	49.410	ug/l	100
7) Trichlorofluoromethane	1.91	101	747032	52.520	ug/l	99
8) Diethyl Ether	2.17	74	296525	49.426	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	468499	50.526	ug/l	97
10) Methyl Iodide	2.49	142	494233	39.533	ug/l	99
11) Tert butyl alcohol	3.01	59	716266	206.092	ug/l	99
12) 1,1-Dichloroethene	2.36	96	478094	49.188	ug/l	100
13) Acrolein	2.27	56	656017	331.359	ug/l	100
14) Allyl chloride	2.70	41	1047716	46.133	ug/l	97
15) Acrylonitrile	3.11	53	1557471	234.985	ug/l	100
16) Acetone	2.42	43	1415756	226.951	ug/l	98
17) Carbon Disulfide	2.55	76	1340827	45.221	ug/l	100
18) Methyl Acetate	2.75	43	785948	49.364	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	1822576	48.348	ug/l	99
20) Methylene Chloride	2.83	84	542832	46.587	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	519892	48.196	ug/l	96
22) Diisopropyl ether	3.83	45	1975042	49.078	ug/l	96
23) Vinyl Acetate	3.79	43	8639816	237.120	ug/l	100
24) 1,1-Dichloroethane	3.67	63	1019963	48.137	ug/l	99
25) 2-Butanone	4.64	43	2301762	229.436	ug/l	99
26) 2,2-Dichloropropane	4.55	77	805556	46.318	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	608409	48.751	ug/l	99
28) Bromochloromethane	4.98	49	495211	48.951	ug/l	99
29) Tetrahydrofuran	5.09	42	1481375	229.689	ug/l	99
30) Chloroform	5.18	83	999309	49.021	ug/l	98
31) Cyclohexane	5.55	56	900098	48.969	ug/l	99
32) 1,1,1-Trichloroethane	5.47	97	934094	50.632	ug/l	99
36) 1,1-Dichloropropene	5.77	75	745758	48.976	ug/l	99
37) Ethyl Acetate	4.80	43	905085	45.650	ug/l	100
38) Carbon Tetrachloride	5.76	117	828151	50.214	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	864961	49.267	ug/l	100
40) Benzene	6.12	78	2182119	48.922	ug/l	98
41) Methacrylonitrile	5.01	41	531766	48.316	ug/l	99
42) 1,2-Dichloroethane	6.17	62	889247	49.633	ug/l	99
43) Isopropyl Acetate	6.42	43	1551965	46.370	ug/l	99
44) Trichloroethene	7.19	130	600729	49.384	ug/l	96
45) 1,2-Dichloropropane	7.49	63	575940	47.201	ug/l	99
46) Dibromomethane	7.64	93	390330	48.766	ug/l	99
47) Bromodichloromethane	7.88	83	840653	49.290	ug/l	99
48) Methyl methacrylate	7.75	41	789748	47.241	ug/l	99
49) 1,4-Dioxane	7.72	88	274617	880.565	ug/l	100
51) 4-Methyl-2-Pentanone	8.62	43	4566188	240.735	ug/l	100
52) Toluene	8.77	92	1369044	49.785	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	931087	46.548	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	960807	47.154	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	560125	49.715	ug/l	97
56) Ethyl methacrylate	9.16	69	961254	48.411	ug/l	100
57) 1,3-Dichloropropane	9.36	76	977403	48.151	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	2367963	245.181	ug/l	99
59) 2-Hexanone	9.48	43	3453134	241.137	ug/l	99
60) Dibromochloromethane	9.57	129	680196	50.242	ug/l	99
61) 1,2-Dibromoethane	9.65	107	601846	49.128	ug/l	100
64) Tetrachloroethene	9.32	164	562066	48.487	ug/l	97
65) Chlorobenzene	10.12	112	1487660	48.564	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	596098	48.709	ug/l	99
67) Ethyl Benzene	10.24	91	2676867	49.270	ug/l	99
68) m/p-Xylenes	10.34	106	2028231	100.255	ug/l	98
69) o-Xylene	10.68	106	981759	49.109	ug/l	100
70) Styrene	10.70	104	1707935	48.551	ug/l	99
71) Bromoform	10.84	173	528312	47.422	ug/l #	95
73) Isopropylbenzene	11.00	105	2666063	48.139	ug/l	100
74) N-amyl acetate	10.88	43	1375015	44.639	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	868328	45.692	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	803826m	46.245	ug/l	
77) Bromobenzene	11.24	156	708751	47.977	ug/l	96
78) n-propylbenzene	11.34	91	3024414	47.757	ug/l	100
79) 2-Chlorotoluene	11.40	91	1833913	47.247	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	2236433	47.283	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	302052	41.696	ug/l	96
82) 4-Chlorotoluene	11.50	91	2155925	47.379	ug/l	99
83) tert-Butylbenzene	11.76	119	2192500	47.456	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	2286057	47.429	ug/l	100
85) sec-Butylbenzene	11.93	105	2608630	48.821	ug/l	99
86) p-Isopropyltoluene	12.05	119	2437411	49.137	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	1263151	47.763	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	1262098	46.852	ug/l	99
89) n-Butylbenzene	12.37	91	2169532	48.399	ug/l	100
90) Hexachloroethane	12.58	117	452054	46.822	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	1234058	47.682	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	226310	42.193	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	971716	47.466	ug/l	97
94) Hexachlorobutadiene	13.77	225	431221	44.242	ug/l	97
95) Naphthalene	13.82	128	2969071	47.546	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	984564	49.952	ug/l	98

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

