

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052120\
 Data File : VX016397.D
 Acq On : 21 May 2020 20:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/22/2020 4:03:05 PM

Quant Time: May 22 09:51:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	236927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	384099	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	366328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	187078	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	139708	44.81	ug/l	0.00
Spiked Amount			Recovery	=	89.62%	
35) Dibromofluoromethane	5.47	113	115375	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
50) Toluene-d8	8.70	98	449008	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
62) 4-Bromofluorobenzene	11.12	95	177593	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	113544	45.276	ug/l	98
3) Chloromethane	1.31	50	121008	41.549	ug/l	98
4) Vinyl Chloride	1.39	62	139845	45.006	ug/l	100
5) Bromomethane	1.62	94	53459	34.126	ug/l	100
6) Chloroethane	1.70	64	85107	45.016	ug/l	99
7) Trichlorofluoromethane	1.91	101	187100	45.865	ug/l	98
8) Diethyl Ether	2.17	74	77034	44.819	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.36	101	104711	44.491	ug/l	98
10) Methyl Iodide	2.49	142	93282	29.507	ug/l	99
11) Tert butyl alcohol	3.02	59	170134	215.799	ug/l	99
12) 1,1-Dichloroethene	2.36	96	110507	44.869	ug/l	94
13) Acrolein	2.27	56	98161	198.969	ug/l	100
14) Allyl chloride	2.70	41	183101	40.547	ug/l	93
15) Acrylonitrile	3.12	53	367236	224.538	ug/l	99
16) Acetone	2.42	43	281075	202.053	ug/l	92
17) Carbon Disulfide	2.55	76	310957	42.010	ug/l	100
18) Methyl Acetate	2.75	43	150903	44.119	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	407112	47.950	ug/l	97
20) Methylene Chloride	2.83	84	129562	45.179	ug/l	94
21) trans-1,2-Dichloroethene	3.14	96	125890	45.869	ug/l	96
22) Diisopropyl ether	3.82	45	377262	44.283	ug/l	95
23) Vinyl Acetate	3.79	43	1652573	220.484	ug/l	97
24) 1,1-Dichloroethane	3.67	63	220692	46.308	ug/l	98
25) 2-Butanone	4.64	43	490388	218.765	ug/l	96
26) 2,2-Dichloropropane	4.55	77	175814	40.396	ug/l	97
27) cis-1,2-Dichloroethene	4.57	96	145327	48.435	ug/l	93
28) Bromochloromethane	4.99	49	89738	41.295	ug/l	92
29) Tetrahydrofuran	5.09	42	324526	218.492	ug/l	93
30) Chloroform	5.18	83	224732	47.361	ug/l	98
31) Cyclohexane	5.55	56	188128	43.436	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	202147	46.867	ug/l	97
36) 1,1-Dichloropropene	5.77	75	171054	45.241	ug/l	99
37) Ethyl Acetate	4.79	43	188053	42.913	ug/l	97
38) Carbon Tetrachloride	5.76	117	181940	47.343	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	182757	40.138	ug/l	98
40) Benzene	6.12	78	527181	47.654	ug/l	99
41) Methacrylonitrile	5.01	41	100919	42.643	ug/l	94
42) 1,2-Dichloroethane	6.17	62	176729	44.347	ug/l	98
43) Isopropyl Acetate	6.42	43	299729	42.868	ug/l	96
44) Trichloroethene	7.19	130	159554	40.597	ug/l	100
45) 1,2-Dichloropropane	7.49	63	133181	47.577	ug/l	100
46) Dibromomethane	7.64	93	88014	46.267	ug/l	97
47) Bromodichloromethane	7.88	83	186039	48.019	ug/l	97
48) Methyl methacrylate	7.74	41	141030	42.567	ug/l	90
49) 1,4-Dioxane	7.71	88	68703	864.630	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	946105	221.122	ug/l	95
52) Toluene	8.77	92	337241	48.907	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	211316	45.746	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	223658	46.354	ug/l	92
55) 1,1,2-Trichloroethane	9.20	97	135207	49.837	ug/l	97
56) Ethyl methacrylate	9.16	69	218099	49.250	ug/l	89
57) 1,3-Dichloropropane	9.35	76	226407	47.827	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	518359	219.868	ug/l	98
59) 2-Hexanone	9.48	43	746008	222.018	ug/l	94
60) Dibromochloromethane	9.57	129	148930	49.843	ug/l	98
61) 1,2-Dibromoethane	9.65	107	143868	48.957	ug/l	99
64) Tetrachloroethene	9.32	164	183164	40.729	ug/l	99
65) Chlorobenzene	10.12	112	358539	46.743	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	135746	47.881	ug/l	100
67) Ethyl Benzene	10.24	91	639974	46.761	ug/l	100
68) m/p-Xylenes	10.34	106	486046	94.789	ug/l	100
69) o-Xylene	10.68	106	237545	48.194	ug/l	98
70) Styrene	10.70	104	412454	49.325	ug/l	99
71) Bromoform	10.84	173	116893	50.607	ug/l	100
73) Isopropylbenzene	11.00	105	618364	45.445	ug/l	100
74) N-amyl acetate	10.88	43	259625	40.906	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.26	83	164061	59.877	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	189019m	44.525	ug/l	
77) Bromobenzene	11.24	156	159978	45.549	ug/l	98
78) n-propylbenzene	11.34	91	695153	43.915	ug/l	99
79) 2-Chlorotoluene	11.40	91	426312	45.625	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	522996	45.522	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	77601	43.562	ug/l	94
82) 4-Chlorotoluene	11.49	91	497748	45.111	ug/l	99
83) tert-Butylbenzene	11.76	119	444881	44.933	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	530650	45.686	ug/l	100
85) sec-Butylbenzene	11.93	105	544381	40.722	ug/l	99
86) p-Isopropyltoluene	12.05	119	516989	41.654	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	279646	44.344	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	280917	43.889	ug/l	98
89) n-Butylbenzene	12.37	91	424670	37.453	ug/l	100
90) Hexachloroethane	12.58	117	89011	41.758	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	271213	44.664	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	48849	43.660	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	172860	38.450	ug/l	98
94) Hexachlorobutadiene	13.77	225	60796	31.600	ug/l	99
95) Naphthalene	13.82	128	638576	43.867	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	171903	39.125	ug/l	100

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

