

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO082820\
 Data File : VX018136.D
 Acq On : 28 Aug 2020 21:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/31/2020 8:58:11 AM

Quant Time: Aug 29 04:33:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	574010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	918755	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	901052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	461048	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	407264	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	5.47	113	326461	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
50) Toluene-d8	8.70	98	1208923	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
62) 4-Bromofluorobenzene	11.12	95	482117	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	358960	51.363	ug/l	100
3) Chloromethane	1.31	50	367948	49.938	ug/l	98
4) Vinyl Chloride	1.39	62	345778	47.144	ug/l	98
5) Bromomethane	1.62	94	185264	52.368	ug/l	98
6) Chloroethane	1.70	64	188675	47.895	ug/l	99
7) Trichlorofluoromethane	1.91	101	512664	51.260	ug/l	96
8) Diethyl Ether	2.17	74	161200	47.528	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	261754	48.411	ug/l	98
10) Methyl Iodide	2.49	142	324506	55.451	ug/l	100
11) Tert butyl alcohol	3.03	59	404858	261.298	ug/l	99
12) 1,1-Dichloroethene	2.35	96	245977	43.850	ug/l	95
13) Acrolein	2.28	56	208016	323.785	ug/l	99
14) Allyl chloride	2.70	41	496918	49.306	ug/l	100
15) Acrylonitrile	3.12	53	911433	259.324	ug/l	99
16) Acetone	2.42	43	783928	252.464	ug/l	98
17) Carbon Disulfide	2.54	76	786484	46.379	ug/l	99
18) Methyl Acetate	2.75	43	404933	54.042	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	984760	51.189	ug/l	99
20) Methylene Chloride	2.83	84	320634	50.514	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	298921	48.098	ug/l	99
22) Diisopropyl ether	3.83	45	991961	49.869	ug/l	99
23) Vinyl Acetate	3.79	43	4524110	255.607	ug/l	100
24) 1,1-Dichloroethane	3.67	63	560743	49.522	ug/l	98
25) 2-Butanone	4.64	43	1300590	254.862	ug/l	99
26) 2,2-Dichloropropane	4.55	77	377475	40.973	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	349125	48.756	ug/l	97
28) Bromochloromethane	4.98	49	269696	49.345	ug/l	98
29) Tetrahydrofuran	5.09	42	835206	257.101	ug/l	98
30) Chloroform	5.18	83	594975	50.747	ug/l	100
31) Cyclohexane	5.55	56	478233	50.140	ug/l	96
32) 1,1,1-Trichloroethane	5.46	97	546262	50.771	ug/l	99
36) 1,1-Dichloropropene	5.77	75	431229	50.888	ug/l	100
37) Ethyl Acetate	4.80	43	503594	51.167	ug/l	99
38) Carbon Tetrachloride	5.75	117	502397	52.607	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	494873	53.406	ug/l	99
40) Benzene	6.12	78	1253461	50.339	ug/l	99
41) Methacrylonitrile	5.01	41	267608	49.520	ug/l	97
42) 1,2-Dichloroethane	6.17	62	490222	51.385	ug/l	98
43) Isopropyl Acetate	6.42	43	808548	50.862	ug/l	99
44) Trichloroethene	7.19	130	358528	50.958	ug/l	98
45) 1,2-Dichloropropane	7.49	63	340225	50.696	ug/l	97
46) Dibromomethane	7.64	93	238251	50.484	ug/l	100
47) Bromodichloromethane	7.88	83	490992	52.106	ug/l	98
48) Methyl methacrylate	7.75	41	410107	51.823	ug/l	99
49) 1,4-Dioxane	7.72	88	151113	1054.167	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	2649676	269.833	ug/l	100
52) Toluene	8.77	92	811645	51.405	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	545927	52.274	ug/l	96
54) cis-1,3-Dichloropropene	8.42	75	560458	50.660	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	345096	51.247	ug/l	98
56) Ethyl methacrylate	9.16	69	550350	54.976	ug/l	99
57) 1,3-Dichloropropane	9.35	76	572080	51.508	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	1092567	242.615	ug/l	100
59) 2-Hexanone	9.48	43	2056476	275.418	ug/l	100
60) Dibromochloromethane	9.57	129	418271	52.949	ug/l	99
61) 1,2-Dibromoethane	9.65	107	383188	52.414	ug/l	99
64) Tetrachloroethene	9.32	164	333347	50.343	ug/l	92
65) Chlorobenzene	10.12	112	928101	51.573	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	370945	52.299	ug/l	98
67) Ethyl Benzene	10.24	91	1610765	52.633	ug/l	99
68) m/p-Xylenes	10.34	106	1238104	108.389	ug/l	99
69) o-Xylene	10.68	106	585063	52.836	ug/l	98
70) Styrene	10.70	104	1029533	54.596	ug/l	99
71) Bromoform	10.84	173	312473	51.649	ug/l	98
73) Isopropylbenzene	11.01	105	1606923	52.840	ug/l	99
74) N-amyl acetate	10.88	43	759265	52.620	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	509842	47.524	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	495771m	48.339	ug/l	
77) Bromobenzene	11.24	156	428421	50.964	ug/l	97
78) n-propylbenzene	11.35	91	1839592	53.274	ug/l	100
79) 2-Chlorotoluene	11.40	91	1109626	52.013	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	1366448	54.679	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.06	75	181434	47.778	ug/l	98
82) 4-Chlorotoluene	11.49	91	1301725	51.327	ug/l	100
83) tert-Butylbenzene	11.76	119	1338735	54.283	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	1385887	54.242	ug/l	99
85) sec-Butylbenzene	11.93	105	1577369	56.242	ug/l	100
86) p-Isopropyltoluene	12.05	119	1433822	55.657	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	741403	50.234	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	744935	50.409	ug/l	97
89) n-Butylbenzene	12.37	91	1246597	53.016	ug/l	99
90) Hexachloroethane	12.58	117	283288	55.891	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	708831	51.021	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	135308	50.443	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	488997	52.783	ug/l	99
94) Hexachlorobutadiene	13.77	225	191468	52.398	ug/l	95
95) Naphthalene	13.82	128	1649738	54.109	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	499172	54.530	ug/l	97

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

