

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
 Data File : VL035264.D
 Acq On : 30 Jul 2020 2:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jul 30 07:50:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1332408	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3185460	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3181474	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2460153	9.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1422000	8.935	ppbv 98
3) Chlorodifluoromethane	2.94	51	1305813	8.854	ppbv 100
4) Chloromethane	3.10	50	758892	9.143	ppbv 99
5) Vinyl Chloride	3.22	62	767005	8.872	ppbv 98
6) Bromomethane	3.44	94	483061	9.046	ppbv 96
7) Chloroethane	3.52	64	294199	9.428	ppbv 98
8) Dichlorotetrafluoroethane	3.15	85	1814032	8.984	ppbv 99
9) Propene	2.97	41	502623	9.776	ppbv 99
10) Heptane	8.14	43	1492771	10.727	ppbv 99
11) Trichlorofluoromethane	3.92	101	1935596	9.043	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1343337	8.849	ppbv 98
13) Ethanol	3.57	45	122355	5.847	ppbv 95
14) Bromoethene	3.71	108	586134	9.461	ppbv 98
15) Acetone	3.82	43	1451720	8.168	ppbv 100
16) 1,3-Butadiene	3.29	39	684899	9.879	ppbv 100
17) tert-Butyl alcohol	4.27	59	1603440	9.348	ppbv 100
18) 1,1-Dichloroethene	4.27	96	613434	9.101	ppbv 97
19) Isopropyl Alcohol	3.94	45	1064385	9.081	ppbv 100
20) Methylene Chloride	4.32	84	585872	7.242	ppbv 97
21) Allyl Chloride	4.39	41	985484	9.736	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	603959	9.325	ppbv 94
23) Vinyl Acetate	5.06	43	1827971	10.236	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1559645	9.365	ppbv 99
25) Ethyl Acetate	5.67	43	2637606	9.504	ppbv 100
26) Hexane	5.68	57	1209129	9.657	ppbv 99
27) Carbon Disulfide	4.53	76	1593026	9.417	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1825242	10.198	ppbv 99
29) Chloroform	5.75	83	1934453	9.212	ppbv 98
30) Cyclohexane	7.14	84	997387	11.145	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1161736	10.644	ppbv 96
32) 1,1,1-Trichloroethane	6.52	97	1910528	8.889	ppbv 99
34) 2-Butanone	5.23	43	1590178	9.811	ppbv 98
35) Carbon Tetrachloride	7.03	117	1992487	9.342	ppbv 97
36) Benzene	6.90	78	2322722	10.492	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1496134	9.668	ppbv 100
38) Trichloroethene	7.85	130	975706	10.634	ppbv 98
39) 1,2-Dichloropropane	7.63	63	918243	10.396	ppbv 98
40) 1,4-Dioxane	7.85	88	381357	10.964	ppbv # 1
41) Tetrahydrofuran	6.05	42	867812	10.924	ppbv 99
42) Bromodichloromethane	7.81	83	2075483	10.048	ppbv 97
43) Methyl Methacrylate	8.03	69	1070361	11.159	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4091668	10.490	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1168648	12.092	ppbv	95
46) cis-1,3-Dichloropropene	8.73	75	1392102	11.823	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1022814	9.803	ppbv	95
48) Dibromochloromethane	10.34	129	1736363	10.567	ppbv	100
49) Bromoform	13.08	173	1571228	10.636	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2518907	10.724	ppbv	100
51) 2-Hexanone	10.16	43	2045440	11.483	ppbv #	100
52) Tetrachloroethene	11.26	164	872354	10.328	ppbv	93
53) Toluene	9.83	91	2771664	11.780	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1549724	10.272	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.17	131	1346917	9.208	ppbv	96
57) Chlorobenzene	12.19	112	2233810	9.332	ppbv	97
58) Ethyl Benzene	12.75	91	3829784	11.366	ppbv	98
59) m/p-Xylene	13.03	91	6487458m	20.682	ppbv	
60) o-Xylene	13.73	91	3261570	10.421	ppbv	100
61) Styrene	13.57	104	2281244	12.008	ppbv	99
62) Isopropylbenzene	14.71	105	4798819	10.302	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	2375018	8.819	ppbv	100
64) n-propylbenzene	15.61	120	1318160	10.643	ppbv	97
65) tert-Butylbenzene	16.79	119	4287270	10.159	ppbv	100
66) Benzyl Chloride	17.04	91	1654117	10.007	ppbv	100
67) sec-Butylbenzene	17.35	105	6121932	9.928	ppbv	100
69) p-Isopropyltoluene	17.71	119	5122992	10.185	ppbv	100
70) n-Butylbenzene	18.60	91	5410359	9.942	ppbv	99
71) 2-Chlorotoluene	15.50	91	3719188	10.588	ppbv	99
72) 4-Ethyltoluene	15.89	105	3896162	11.060	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3658606	10.650	ppbv	97
74) 1,2,4-Trimethylbenzene	16.81	105	3849115	9.625	ppbv	96
75) 1,3-Dichlorobenzene	17.05	146	2269629	8.789	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	2235000	9.569	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	2163415	9.354	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1440233	7.607	ppbv	99
79) Naphthalene	22.27	128	3034428	9.542	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	924156	8.979	ppbv	98
81) 1,2,4-Trichlorobenzene	22.00	180	1763869	9.112	ppbv	99

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

