

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100820\
 Data File : VL035754.D
 Acq On : 8 Oct 2020 21:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 10/12/2020 10:30:00 AM

Quant Time: Oct 09 02:29:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1201426	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.18	114	4596726	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	4660599m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3393162	9.72	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1749283	8.874	ppbv 97
3) Chlorodifluoromethane	2.98	51	1217703	9.421	ppbv 100
4) Chloromethane	3.13	50	658902	9.490	ppbv 95
5) Vinyl Chloride	3.25	62	779621	9.493	ppbv 100
6) Bromomethane	3.47	94	658285	9.482	ppbv 97
7) Chloroethane	3.55	64	288949	9.593	ppbv 98
8) Dichlorotetrafluoroethane	3.18	85	2191455	9.165	ppbv 100
9) Propene	3.00	41	465970	9.929	ppbv 100
10) Heptane	8.12	43	1371840	10.486	ppbv 100
11) Trichlorofluoromethane	3.94	101	2608710	9.275	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1973745	9.413	ppbv 99
13) Ethanol	3.60	45	108267	9.355	ppbv 100
14) Bromoethene	3.73	108	867040	9.817	ppbv 100
15) Acetone	3.84	43	1137863	8.802	ppbv 99
16) 1,3-Butadiene	3.32	39	486551	10.288	ppbv 98
17) tert-Butyl alcohol	4.29	59	1432059	10.170	ppbv 100
18) 1,1-Dichloroethene	4.28	96	910853	9.922	ppbv 99
19) Isopropyl Alcohol	3.97	45	706745	10.050	ppbv 99
20) Methylene Chloride	4.34	84	768214	8.090	ppbv 98
21) Allyl Chloride	4.41	41	656735	10.481	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	950902	9.804	ppbv 98
23) Vinyl Acetate	5.07	43	1708875	10.792	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1639472	9.506	ppbv 100
25) Ethyl Acetate	5.67	43	2240631	9.632	ppbv 100
26) Hexane	5.68	57	1243758	9.757	ppbv 99
27) Carbon Disulfide	4.54	76	2028842	10.678	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	2139814	10.590	ppbv 100
29) Chloroform	5.75	83	2471569	9.548	ppbv 98
30) Cyclohexane	7.13	84	1360191	10.815	ppbv 100
31) cis-1,2-Dichloroethene	5.55	61	1320021	10.727	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	2401763	10.525	ppbv 100
34) 2-Butanone	5.24	43	1546387	10.171	ppbv 100
35) Carbon Tetrachloride	7.02	117	2467960	10.298	ppbv 98
36) Benzene	6.89	78	3135324	10.468	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1536426	9.842	ppbv 100
38) Trichloroethene	7.84	130	1548775	10.365	ppbv 98
39) 1,2-Dichloropropane	7.62	63	1077865	9.928	ppbv 97
40) 1,4-Dioxane	7.83	88	525773	10.590	ppbv 97
41) Tetrahydrofuran	6.05	42	870584	11.366	ppbv 100
42) Bromodichloromethane	7.80	83	2594144	10.316	ppbv 99
43) Methyl Methacrylate	8.02	69	1317506	11.060	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4221290	9.821	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1501802	12.487	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	1774551	11.970	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1516753	9.754	ppbv	99
48) Dibromochloromethane	10.31	129	2557155	10.805	ppbv	100
49) Bromoform	13.05	173	2279296	11.350	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2304087	10.376	ppbv	100
51) 2-Hexanone	10.14	43	1963517	10.974	ppbv	100
52) Tetrachloroethene	11.23	164	1465946	10.178	ppbv	99
53) Toluene	9.81	91	3896383	11.032	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2380243	10.222	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1972059	10.091	ppbv	97
57) Chlorobenzene	12.16	112	3297727	9.368	ppbv	99
58) Ethyl Benzene	12.72	91	5116604	10.938	ppbv	100
59) m/p-Xylene	13.01	91	8765976m	21.458	ppbv	
60) o-Xylene	13.71	91	4266318	10.324	ppbv	100
61) Styrene	13.54	104	3376579	11.817	ppbv	99
62) Isopropylbenzene	14.68	105	6398617	9.983	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	3127731	9.230	ppbv	99
64) n-propylbenzene	15.58	120	1986067	10.587	ppbv	100
65) tert-Butylbenzene	16.76	119	5961483	10.230	ppbv	100
66) Benzyl Chloride	17.01	91	2368918	13.417	ppbv	99
67) sec-Butylbenzene	17.31	105	7961718	9.893	ppbv	100
69) p-Isopropyltoluene	17.67	119	6807527	10.398	ppbv	99
70) n-Butylbenzene	18.57	91	6835945	10.139	ppbv	100
71) 2-Chlorotoluene	15.47	91	4967794	10.626	ppbv	100
72) 4-Ethyltoluene	15.86	105	5287528	10.801	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4906329	10.606	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	5152672	9.881	ppbv	100
75) 1,3-Dichlorobenzene	17.01	146	3440477	9.663	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	3468465	10.192	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	3365070	10.007	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1880170	10.134	ppbv	100
79) Naphthalene	22.22	128	5334178	10.724	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	1799925	15.342	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	2708955	10.510	ppbv	100

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

