

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111020\
 Data File : VL035892.D
 Acq On : 10 Nov 2020 15:49
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 11/12/2020 9:03:11 AM

Quant Time: Nov 11 01:28:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1193634	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4605015	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	4658859m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3265849	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	1798628	8.004	ppbv 99
3) Chlorodifluoromethane	2.98	51	1282913	8.975	ppbv 99
4) Chloromethane	3.13	50	650095	9.362	ppbv 100
5) Vinyl Chloride	3.24	62	794662	8.977	ppbv 100
6) Bromomethane	3.46	94	651468	9.151	ppbv 99
7) Chloroethane	3.55	64	292885	9.401	ppbv 97
8) Dichlorotetrafluoroethane	3.18	85	2260724	8.790	ppbv 100
9) Propene	3.00	41	486797	9.305	ppbv 100
10) Heptane	8.12	43	1377452	9.532	ppbv 100
11) Trichlorofluoromethane	3.94	101	2707238	9.594	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1979302	9.421	ppbv 100
13) Ethanol	3.59	45	85386	7.523	ppbv 99
14) Bromoethene	3.73	108	836229	8.649	ppbv 98
15) Acetone	3.84	43	1103435	8.647	ppbv 98
16) 1,3-Butadiene	3.31	39	503418	9.163	ppbv 100
17) tert-Butyl alcohol	4.28	59	1480416	8.754	ppbv 99
18) 1,1-Dichloroethene	4.28	96	911273	9.447	ppbv 97
19) Isopropyl Alcohol	3.96	45	680455	8.677	ppbv 99
20) Methylene Chloride	4.33	84	740290	8.241	ppbv 100
21) Allyl Chloride	4.40	41	624564	9.050	ppbv 93
22) trans-1,2-Dichloroethene	4.88	96	917601	9.384	ppbv 99
23) Vinyl Acetate	5.07	43	1541892	8.620	ppbv 100
24) 1,1-Dichloroethane	5.00	63	1555131	9.125	ppbv 99
25) Ethyl Acetate	5.67	43	2349959	9.348	ppbv 100
26) Hexane	5.68	57	1260302	9.090	ppbv 100
27) Carbon Disulfide	4.54	76	1936730	9.323	ppbv 100
28) Methyl tert-Butyl Ether	5.02	73	2197608	8.827	ppbv 100
29) Chloroform	5.74	83	2490220	9.138	ppbv 98
30) Cyclohexane	7.12	84	1347098	8.921	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1344484	9.427	ppbv 97
32) 1,1,1-Trichloroethane	6.50	97	2453353	8.628	ppbv 99
34) 2-Butanone	5.24	43	1498371	10.026	ppbv 99
35) Carbon Tetrachloride	7.01	117	2438899	9.912	ppbv 99
36) Benzene	6.89	78	3159844	9.230	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1570271	10.125	ppbv 99
38) Trichloroethene	7.83	130	1470664	8.795	ppbv 98
39) 1,2-Dichloropropane	7.61	63	1099979	9.543	ppbv 99
40) 1,4-Dioxane	7.83	88	507014	9.281	ppbv 94
41) Tetrahydrofuran	6.04	42	884262	10.414	ppbv 99
42) Bromodichloromethane	7.79	83	2568440	9.814	ppbv 98
43) Methyl Methacrylate	8.01	69	1279557	9.799	ppbv 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4313322	9.521	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1382277	9.985	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1721571	9.820	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1458064	9.284	ppbv	99
48) Dibromochloromethane	10.30	129	2406210	10.029	ppbv	99
49) Bromoform	13.04	173	2043994	10.096	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2318286	10.144	ppbv	100
51) 2-Hexanone	10.13	43	1874712	10.212	ppbv	100
52) Tetrachloroethene	11.22	164	1379824	8.507	ppbv	99
53) Toluene	9.80	91	3832165	9.277	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2219008	9.290	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1860391	8.897	ppbv	97
57) Chlorobenzene	12.15	112	3092261	8.348	ppbv	98
58) Ethyl Benzene	12.71	91	4910999	8.655	ppbv	100
59) m/p-Xylene	12.99	91	8268195m	17.223	ppbv	
60) o-Xylene	13.69	91	4032670	8.635	ppbv	100
61) Styrene	13.53	104	3052529	8.921	ppbv	100
62) Isopropylbenzene	14.67	105	6107236	8.320	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2840071	7.849	ppbv	100
64) n-propylbenzene	15.56	120	1786004	8.418	ppbv	99
65) tert-Butylbenzene	16.74	119	5404183	8.089	ppbv	100
66) Benzyl Chloride	16.99	91	1789804	8.105	ppbv	100
67) sec-Butylbenzene	17.29	105	7302688	8.111	ppbv	100
69) p-Isopropyltoluene	17.65	119	6041529	8.131	ppbv	100
70) n-Butylbenzene	18.55	91	5847540	8.172	ppbv	100
71) 2-Chlorotoluene	15.45	91	4546620	8.468	ppbv	99
72) 4-Ethyltoluene	15.84	105	4774790	8.430	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4394783	8.479	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4543183	8.180	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2838962	8.028	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2772000	8.126	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2753370	7.987	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1323537	8.228	ppbv	100
79) Naphthalene	22.20	128	3143064	8.118	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	560371	8.881	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	1716645	7.936	ppbv	99

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

