

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035970.D
 Acq On : 18 Nov 2020 10:19
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 12:27:15 PM

Quant Time: Nov 19 08:16:39 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	5.64	49	1178821	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4575062	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4578308m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	3328712	10.23	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1635958	7.371	ppbv	99
3) Chlorodifluoromethane	2.96	51	1342192	9.508	ppbv	99
4) Chloromethane	3.11	50	666810	9.723	ppbv	100
5) Vinyl Chloride	3.23	62	854821	9.778	ppbv	98
6) Bromomethane	3.45	94	701616	9.979	ppbv	100
7) Chloroethane	3.53	64	320723	10.424	ppbv	99
8) Dichlorotetrafluoroethane	3.16	85	2438000	9.599	ppbv	95
9) Propene	2.98	41	507808	9.828	ppbv	99
10) Heptane	8.09	43	1445113	10.126	ppbv	99
11) Trichlorofluoromethane	3.92	101	2743291	9.844	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	2081254	10.031	ppbv	95
13) Ethanol	3.58	45	95493	8.519	ppbv	94
14) Bromoethene	3.71	108	920364	9.638	ppbv	99
15) Acetone	3.82	43	1170353	9.287	ppbv	98
16) 1,3-Butadiene	3.30	39	520953	9.601	ppbv	98
17) tert-Butyl alcohol	4.26	59	1618591	9.691	ppbv	99
18) 1,1-Dichloroethene	4.26	96	966783	10.148	ppbv	98
19) Isopropyl Alcohol	3.94	45	751758	9.707	ppbv	99
20) Methylene Chloride	4.31	84	794872	8.959	ppbv	99
21) Allyl Chloride	4.38	41	707956	10.388	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	967303	10.016	ppbv	98
23) Vinyl Acetate	5.04	43	1692133	9.579	ppbv	100
24) 1,1-Dichloroethane	4.98	63	1672890	9.940	ppbv	99
25) Ethyl Acetate	5.65	43	2484752	10.008	ppbv	100
26) Hexane	5.65	57	1329789	9.712	ppbv	100
27) Carbon Disulfide	4.52	76	2114228	10.305	ppbv	99
28) Methyl tert-Butyl Ether	5.00	73	2297381	9.343	ppbv	100
29) Chloroform	5.72	83	2601860	9.668	ppbv	98
30) Cyclohexane	7.10	84	1409269	9.450	ppbv	99
31) cis-1,2-Dichloroethene	5.52	61	1377023	9.776	ppbv	97
32) 1,1,1-Trichloroethane	6.48	97	2513233	8.949	ppbv	99
34) 2-Butanone	5.21	43	1590084	10.709	ppbv	99
35) Carbon Tetrachloride	6.99	117	2496531	10.213	ppbv	100
36) Benzene	6.86	78	3316954	9.752	ppbv	100
37) 1,2-Dichloroethane	6.28	62	1624954	10.546	ppbv	100
38) Trichloroethene	7.80	130	1521359	9.157	ppbv	95
39) 1,2-Dichloropropane	7.58	63	1146906	10.016	ppbv	97
40) 1,4-Dioxane	7.80	88	546137	10.063	ppbv	99
41) Tetrahydrofuran	6.02	42	924995	10.965	ppbv	100
42) Bromodichloromethane	7.76	83	2700954	10.388	ppbv	99
43) Methyl Methacrylate	7.98	69	1366808	10.535	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035970.D
 Acq On : 18 Nov 2020 10:19
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 12:27:15 PM

Quant Time: Nov 19 08:16:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4536547	10.079	ppbv	100
45) t-1,3-Dichloropropene	9.25	75	1448172	10.530	ppbv	100
46) cis-1,3-Dichloropropene	8.67	75	1804293	10.359	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1545805	9.907	ppbv	98
48) Dibromochloromethane	10.27	129	2465752	10.344	ppbv	100
49) Bromoform	13.01	173	2025484	10.070	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	2429586	10.701	ppbv	100
51) 2-Hexanone	10.10	43	1961510	10.755	ppbv	99
52) Tetrachloroethene	11.19	164	1387007	8.607	ppbv	96
53) Toluene	9.77	91	4004115	9.756	ppbv	100
54) 1,2-Dibromoethane	10.58	107	2340511	9.863	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1915335	9.321	ppbv #	92
57) Chlorobenzene	12.11	112	3200045	8.791	ppbv	99
58) Ethyl Benzene	12.68	91	5114005	9.171	ppbv	99
59) m/p-Xylene	12.96	91	8672515m	18.383	ppbv	
60) o-Xylene	13.66	91	4228086	9.213	ppbv	100
61) Styrene	13.50	104	3198133	9.511	ppbv	100
62) Isopropylbenzene	14.64	105	6306111	8.742	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	3022579	8.500	ppbv	100
64) n-propylbenzene	15.53	120	1858704	8.915	ppbv	98
65) tert-Butylbenzene	16.72	119	5580931	8.500	ppbv	100
66) Benzyl Chloride	16.96	91	1962324	9.042	ppbv	99
67) sec-Butylbenzene	17.27	105	7543871	8.526	ppbv	99
69) p-Isopropyltoluene	17.63	119	6189021	8.476	ppbv	99
70) n-Butylbenzene	18.52	91	6086542	8.656	ppbv	100
71) 2-Chlorotoluene	15.42	91	4725792	8.957	ppbv	99
72) 4-Ethyltoluene	15.81	105	4955735	8.904	ppbv	100
73) 1,3,5-Trimethylbenzene	15.97	105	4567017	8.966	ppbv	98
74) 1,2,4-Trimethylbenzene	16.73	105	4732928	8.672	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2921026	8.405	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2873497	8.571	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2817939	8.318	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1280574	8.101	ppbv	100
79) Naphthalene	22.17	128	3164069	8.316	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	512472	8.265	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	1666345	7.839	ppbv	98

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

