

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020420\
 Data File : VL034579.D
 Acq On : 4 Feb 2020 13:56
 Operator : SY/AP
 Sample : VL0204ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0204ABS01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 2:50:09 PM

Quant Time: Feb 05 06:06:48 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30

QLast Update : Thu Jan 30 17:16:44 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1156404	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2338807	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.13	117	2562070	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2072131	9.57	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.02	85	2175309	8.541	ppbv 97
3) Chlorodifluoromethane	2.96	51	1300223	9.305	ppbv 99
4) Chloromethane	3.11	50	692913	8.105	ppbv 96
5) Vinyl Chloride	3.23	62	687915	8.424	ppbv 98
6) Bromomethane	3.45	94	405845	9.555	ppbv 97
7) Chloroethane	3.53	64	262885	8.657	ppbv 99
8) Dichlorotetrafluoroethane	3.16	85	1697355	8.526	ppbv 99
9) Propene	2.98	41	467498	8.593	ppbv 98
10) Heptane	8.15	43	1293105	9.444	ppbv 100
11) Trichlorofluoromethane	3.93	101	2004284	8.662	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1337634	8.861	ppbv 99
13) Ethanol	3.58	45	122599	8.413	ppbv 97
14) Bromoethene	3.72	108	521524	8.807	ppbv 99
15) Acetone	3.83	43	1522651	8.959	ppbv 99
16) 1,3-Butadiene	3.30	39	618815	9.169	ppbv 99
17) tert-Butyl alcohol	4.28	59	1094596	8.758	ppbv 100
18) 1,1-Dichloroethene	4.28	96	596319	9.357	ppbv 100
19) Isopropyl Alcohol	3.95	45	848272	8.553	ppbv 99
20) Methylene Chloride	4.33	84	511769	7.908	ppbv 97
21) Allyl Chloride	4.40	41	948514	8.986	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	581234	8.709	ppbv 95
23) Vinyl Acetate	5.07	43	1893660	9.766	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1432851	8.851	ppbv 98
25) Ethyl Acetate	5.68	43	2332786	8.478	ppbv 99
26) Hexane	5.69	57	1016511	8.820	ppbv 97
27) Carbon Disulfide	4.54	76	1467490	9.437	ppbv 100
28) Methyl tert-Butyl Ether	5.03	73	1853767	9.432	ppbv 99
29) Chloroform	5.76	83	1760935	8.641	ppbv 97
30) Cyclohexane	7.15	84	808677m	9.469	ppbv
31) cis-1,2-Dichloroethene	5.56	61	1092055	9.120	ppbv 96
32) 1,1,1-Trichloroethane	6.53	97	1866092	8.528	ppbv 99
34) 2-Butanone	5.24	43	1510928	8.897	ppbv 99
35) Carbon Tetrachloride	7.04	117	1985227	8.878	ppbv 96
36) Benzene	6.91	78	1936988	9.313	ppbv 98
37) 1,2-Dichloroethane	6.32	62	1543676	8.896	ppbv 100
38) Trichloroethene	7.86	130	807158	9.206	ppbv 96
39) 1,2-Dichloropropane	7.64	63	791496	9.180	ppbv 97
40) 1,4-Dioxane	7.86	88	298769m	9.014	ppbv
41) Tetrahydrofuran	6.06	42	822300	9.282	ppbv 99
42) Bromodichloromethane	7.82	83	1956248	9.160	ppbv 98
43) Methyl Methacrylate	8.04	69	814910	9.741	ppbv 99

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 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3468238	9.191	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1106208	10.099	ppbv	96
46) cis-1,3-Dichloropropene	8.74	75	1227346	9.858	ppbv	97
47) 1,1,2-Trichloroethane	9.51	97	859836	9.207	ppbv	98
48) Dibromochloromethane	10.35	129	1663548	9.721	ppbv	100
49) Bromoform	13.10	173	1484051	9.878	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2263728	9.347	ppbv	100
51) 2-Hexanone	10.16	43	1847331	9.690	ppbv	100
52) Tetrachloroethene	11.27	164	763760	9.141	ppbv	98
53) Toluene	9.84	91	2260710	9.894	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1358796	9.710	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.17	131	1130067	8.934	ppbv	96
57) Chlorobenzene	12.19	112	1792886	8.504	ppbv	98
58) Ethyl Benzene	12.75	91	3170283	9.247	ppbv	95
59) m/p-Xylene	13.04	91	5366828m	17.708	ppbv	
60) o-Xylene	13.74	91	2746906	9.025	ppbv	99
61) Styrene	13.57	104	1903174	9.378	ppbv	99
62) Isopropylbenzene	14.72	105	3583412	9.085	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1961688	8.334	ppbv	99
64) n-propylbenzene	15.61	120	931606	9.181	ppbv	95
65) tert-Butylbenzene	16.80	119	3314456	9.276	ppbv	100
66) Benzyl Chloride	17.05	91	1573975	10.505	ppbv	100
67) sec-Butylbenzene	17.35	105	4516638	9.197	ppbv	99
69) p-Isopropyltoluene	17.71	119	3787017	9.497	ppbv	99
70) n-Butylbenzene	18.61	91	3948106	9.328	ppbv	100
71) 2-Chlorotoluene	15.51	91	2797134	9.343	ppbv	99
72) 4-Ethyltoluene	15.89	105	3060564	9.154	ppbv	100
73) 1,3,5-Trimethylbenzene	16.05	105	3022167	9.251	ppbv	98
74) 1,2,4-Trimethylbenzene	16.82	105	3162334	8.744	ppbv #	88
75) 1,3-Dichlorobenzene	17.06	146	1759631	8.450	ppbv	99
76) 1,4-Dichlorobenzene	17.20	146	1746012	8.507	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	1725986	8.628	ppbv	100
78) Hexachloro-1,3-Butadiene	23.44	225	1455311	7.608	ppbv	100
79) Naphthalene	22.28	128	2480323	8.711	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	563810	5.147	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1422676	8.105	ppbv	99

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

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