

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111723\
 Data File : VL040890.D
 Acq On : 17 Nov 2023 11:24
 Operator : SY/MD
 Sample : VL1117ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1117ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/20/2023
 Supervised By : Mahesh Dadoda 11/21/2023

Quant Time: Nov 20 03:56:42 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Mon Nov 20 03:50:24 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.214	49	970480	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2386081	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2372194	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 1817885 9.788 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.767	85	1909878	9.707	ppbv	100
3) Chlorodifluoromethane	2.713	51	1519977	9.810	ppbv	100
4) Chloromethane	2.851	50	552493	9.916	ppbv	99
5) Vinyl Chloride	2.957	62	567895	10.248	ppbv	98
6) Bromomethane	3.153	94	217200	10.268	ppbv	100
7) Chloroethane	3.230	64	196632	10.247	ppbv	89
8) Dichlorotetrafluoroethane	2.893	85	1400193	9.857	ppbv	99
9) Propene	2.732	41	523294	10.021	ppbv	97
10) Heptane	7.590	43	1267593	9.867	ppbv	99
11) Trichlorofluoromethane	3.594	101	1490098	9.857	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.092	101	1058169	9.854	ppbv	97
13) Ethanol	3.272	45	96646	9.531	ppbv #	100
14) Bromoethene	3.398	108	442358	10.241	ppbv	99
15) Acetone	3.497	43	1014217	9.812	ppbv	100
16) 1,3-Butadiene	3.021	39	557091	10.654	ppbv	100
17) tert-Butyl alcohol	3.906	59	888561	10.053	ppbv	99
18) 1,1-Dichloroethene	3.909	96	468136	9.780	ppbv	95
19) Isopropyl Alcohol	3.603	45	631654	10.155	ppbv	99
20) Methylene Chloride	3.960	84	419968	9.846	ppbv	98
21) Allyl Chloride	4.025	41	664105	10.040	ppbv	98
22) trans-1,2-Dichloroethene	4.468	96	484322	8.915	ppbv	95
23) Vinyl Acetate	4.648	43	1322162	9.906	ppbv	99
24) 1,1-Dichloroethane	4.587	63	1003023	8.432	ppbv	99
25) Ethyl Acetate	5.224	43	2226734	10.405	ppbv	99
26) Hexane	5.234	57	959668	10.132	ppbv	99
27) Carbon Disulfide	4.150	76	1212241	10.093	ppbv	99
28) Methyl tert-Butyl Ether	4.607	73	726635	8.483	ppbv	99
29) Chloroform	5.295	83	1599985	9.967	ppbv	99
30) Cyclohexane	6.619	84	782561	9.604	ppbv	98
31) cis-1,2-Dichloroethene	5.099	61	985774	10.517	ppbv	99
32) 1,1,1-Trichloroethane	6.021	97	1574380	10.512	ppbv	100
34) 2-Butanone	4.806	43	1359431	11.184	ppbv	99
35) Carbon Tetrachloride	6.510	117	1682738	11.494	ppbv	98
36) Benzene	6.385	78	1987691	10.264	ppbv	99
37) 1,2-Dichloroethane	5.825	62	1237886	10.838	ppbv	99
38) Trichloroethene	7.304	130	739544	9.825	ppbv	97
39) 1,2-Dichloropropane	7.086	63	779069	10.146	ppbv	97
40) 1,4-Dioxane	7.295	88	311796	10.234	ppbv #	98
41) Tetrahydrofuran	5.574	42	838999	11.211	ppbv	98
42) Bromodichloromethane	7.262	83	1778194	10.879	ppbv	97
43) Methyl Methacrylate	7.484	69	814155	11.033	ppbv	98
44) 2,2,4-Trimethylpentane	7.340	57	3300814	10.261	ppbv	99
45) t-1,3-Dichloropropene	8.719	75	541578	12.489	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	659109	11.722	ppbv	97
47) 1,1,2-Trichloroethane	8.905	97	825245	10.257	ppbv	98
48) Dibromochloromethane	9.716	129	1471341	11.021	ppbv	100
49) Bromoform	12.413	173	1172608	11.678	ppbv	100
50) 4-Methyl-2-Pentanone	8.188	43	2094331	11.133	ppbv	100
51) 2-Hexanone	9.558	43	1540184	11.615	ppbv #	99
52) Tetrachloroethene	10.622	164	666960	10.228	ppbv	96
53) Toluene	9.227	91	2252996	10.573	ppbv	99
54) 1,2-Dibromoethane	10.015	107	1125777	10.873	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.513	131	1049534	10.337	ppbv	96
57) Chlorobenzene	11.532	112	1712920	9.742	ppbv	98
58) Ethyl Benzene	12.092	91	3068250	9.913	ppbv	96
59) m/p-Xylene	12.378	91	5200576m	19.731	ppbv	
60) o-Xylene	13.063	91	2474966	9.864	ppbv	98
61) Styrene	12.902	104	1267338	10.474	ppbv	99
62) Isopropylbenzene	14.034	105	3598272	9.707	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	1799851	10.121	ppbv	100
64) n-propylbenzene	14.918	120	919754	9.900	ppbv	96
65) tert-Butylbenzene	16.092	119	3121333	9.986	ppbv	98
66) Benzyl Chloride	16.333	91	125452	10.892	ppbv #	97
67) sec-Butylbenzene	16.638	105	4384380	9.819	ppbv	99
69) p-Isopropyltoluene	16.998	119	3520700	9.889	ppbv	100
70) n-Butylbenzene	17.886	91	3789494	10.079	ppbv	99
71) 2-Chlorotoluene	14.806	91	2816052	9.965	ppbv	99
72) 4-Ethyltoluene	15.195	105	2838372	10.290	ppbv	98
73) 1,3,5-Trimethylbenzene	15.352	105	2418552	9.915	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	2672629	9.818	ppbv	97
75) 1,3-Dichlorobenzene	16.333	146	1501379	9.988	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	1476176	10.258	ppbv	99
77) 1,2-Dichlorobenzene	17.143	146	1434970	9.818	ppbv	99
78) Hexachloro-1,3-Butadiene	22.635	225	809564	8.847	ppbv	99
79) Naphthalene	21.381	128	1808130	12.923	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	373225	15.111	ppbv	98
81) 1,2,4-Trichlorobenzene	21.140	180	920397	10.820	ppbv	100

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

Manual Integrations

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
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