

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011923\
 Data File : VL040108.D
 Acq On : 19 Jan 2023 11:30
 Operator : SY/MD
 Sample : VL0119ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0119ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/20/2023
 Supervised By : Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 02:04:36 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

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

QLast Update : Mon Jan 16 14:40:47 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1111976	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2799770	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2828519m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 2192774 9.328 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 93.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	2106647	10.805	ppbv	99
3) Chlorodifluoromethane	2.661	51	1260147	9.448	ppbv	98
4) Chloromethane	2.800	50	807531	9.796	ppbv	100
5) Vinyl Chloride	2.906	62	696704	9.969	ppbv	98
6) Bromomethane	3.108	94	245508	9.627	ppbv	99
7) Chloroethane	3.186	64	247785	9.276	ppbv	99
8) Dichlorotetrafluoroethane	2.845	85	1750784	9.619	ppbv	99
9) Propene	2.681	41	539598	9.738	ppbv	100
10) Heptane	7.578	43	1352493	10.590	ppbv	100
11) Trichlorofluoromethane	3.552	101	1804159	9.272	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.057	101	1318953	9.017	ppbv	97
13) Ethanol	3.234	45	41520m	8.141	ppbv	
14) Bromoethene	3.356	108	541272	9.968	ppbv	100
15) Acetone	3.456	43	1227197	9.202	ppbv	99
16) 1,3-Butadiene	2.973	39	620795	9.985	ppbv	99
17) tert-Butyl alcohol	3.870	59	1245309	10.028	ppbv	100
18) 1,1-Dichloroethene	3.870	96	600182	9.443	ppbv	98
19) Isopropyl Alcohol	3.565	45	608463	9.325	ppbv	99
20) Methylene Chloride	3.925	84	514517	8.745	ppbv	97
21) Allyl Chloride	3.989	41	859843	10.041	ppbv	98
22) trans-1,2-Dichloroethene	4.440	96	619238	9.535	ppbv	95
23) Vinyl Acetate	4.616	43	427532	9.890	ppbv #	97
24) 1,1-Dichloroethane	4.559	63	1256150	9.596	ppbv	99
25) Ethyl Acetate	5.198	43	2491869	10.606	ppbv	100
26) Hexane	5.208	57	1041719	10.132	ppbv	99
27) Carbon Disulfide	4.115	76	1486755	11.162	ppbv	99
28) Methyl tert-Butyl Ether	4.578	73	1139801	9.854	ppbv	100
29) Chloroform	5.269	83	1790481	10.892	ppbv	97
30) Cyclohexane	6.600	84	867695	10.616	ppbv	98
31) cis-1,2-Dichloroethene	5.073	61	1036677	10.415	ppbv	98
32) 1,1,1-Trichloroethane	5.999	97	1770004	10.593	ppbv	99
34) 2-Butanone	4.780	43	1381977	10.435	ppbv	100
35) Carbon Tetrachloride	6.494	117	1853626	11.709	ppbv	99
36) Benzene	6.369	78	2231766	10.772	ppbv	99
37) 1,2-Dichloroethane	5.803	62	1393225	10.462	ppbv	100
38) Trichloroethene	7.288	130	1327672	11.291	ppbv	96
39) 1,2-Dichloropropane	7.073	63	872089	10.761	ppbv	97
40) 1,4-Dioxane	7.288	88	355333	11.048	ppbv	95
41) Tetrahydrofuran	5.552	42	875685	11.456	ppbv	99
42) Bromodichloromethane	7.250	83	2000290	11.123	ppbv	100
43) Methyl Methacrylate	7.475	69	899778	11.834	ppbv	100
44) 2,2,4-Trimethylpentane	7.324	57	3682155	10.687	ppbv	99
45) t-1,3-Dichloropropene	8.713	75	875016m	12.906	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.144	75	1187528	12.818	ppbv	100
47) 1,1,2-Trichloroethane	8.902	97	934546	10.953	ppbv	99
48) Dibromochloromethane	9.713	129	1626920	11.864	ppbv	99
49) Bromoform	12.414	173	1300450	12.310	ppbv	100
50) 4-Methyl-2-Pentanone	8.185	43	2321320	11.144	ppbv	100
51) 2-Hexanone	9.552	43	1839899	11.659	ppbv #	98
52) Tetrachloroethene	10.619	164	756286	11.158	ppbv	98
53) Toluene	9.224	91	2556482	11.569	ppbv	100
54) 1,2-Dibromoethane	10.012	107	1070118	11.980	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.513	131	1156109	10.502	ppbv	98
57) Chlorobenzene	11.533	112	1950869	10.118	ppbv	97
58) Ethyl Benzene	12.095	91	3479257	11.023	ppbv	99
59) m/p-Xylene	12.378	91	6038898m	21.278	ppbv	
60) o-Xylene	13.063	91	2908024	10.795	ppbv	100
61) Styrene	12.902	104	1683990	11.996	ppbv	99
62) Isopropylbenzene	14.034	105	4053723	10.462	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.057	83	990858	10.130	ppbv	100
64) n-propylbenzene	14.921	120	1031585	10.710	ppbv	98
65) tert-Butylbenzene	16.098	119	3518821	10.607	ppbv	99
66) Benzyl Chloride	16.339	91	262244	11.567	ppbv #	97
67) sec-Butylbenzene	16.645	105	4971926	10.572	ppbv	100
69) p-Isopropyltoluene	17.005	119	3993728	10.806	ppbv	99
70) n-Butylbenzene	17.896	91	4304652	10.801	ppbv	100
71) 2-Chlorotoluene	14.809	91	3170099	10.638	ppbv	99
72) 4-Ethyltoluene	15.201	105	3273140	10.949	ppbv	99
73) 1,3,5-Trimethylbenzene	15.359	105	2910299	10.813	ppbv	98
74) 1,2,4-Trimethylbenzene	16.114	105	3142570	10.540	ppbv	96
75) 1,3-Dichlorobenzene	16.339	146	1752584	10.584	ppbv	100
76) 1,4-Dichlorobenzene	16.481	146	1704354	10.468	ppbv	99
77) 1,2-Dichlorobenzene	17.150	146	1636207	10.332	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	1093597m	9.428	ppbv	
79) Naphthalene	21.397	128	2258589	13.224	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	695408	12.083	ppbv	96
81) 1,2,4-Trichlorobenzene	21.149	180	1164848	11.065	ppbv	99

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

