

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040423\
 Data File : VL040301.D
 Acq On : 4 Apr 2023 9:18
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/05/2023
 Supervised By : Mahesh Dadoda 04/05/2023

Quant Time: Apr 05 01:29:39 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

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

QLast Update : Wed Mar 15 16:14:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1106127	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2821272	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2825785m	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 2289770 9.676 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	2034176	9.373	ppbv	96
3) Chlorodifluoromethane	2.677	51	1222105	8.786	ppbv	99
4) Chloromethane	2.816	50	774915	9.022	ppbv	97
5) Vinyl Chloride	2.922	62	666608	9.585	ppbv	97
6) Bromomethane	3.121	94	222168	9.212	ppbv	96
7) Chloroethane	3.198	64	241978	9.063	ppbv	96
8) Dichlorotetrafluoroethane	2.861	85	1690256	9.099	ppbv	100
9) Propene	2.697	41	504284	9.464	ppbv	95
10) Heptane	7.578	43	1247825	9.736	ppbv	100
11) Trichlorofluoromethane	3.565	101	1746283	8.881	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.066	101	1307838	8.856	ppbv	98
13) Ethanol	3.247	45	30322m	7.759	ppbv	
14) Bromoethene	3.365	108	547240	9.934	ppbv	100
15) Acetone	3.468	43	1153650	8.567	ppbv	98
16) 1,3-Butadiene	2.986	39	595146	9.723	ppbv	99
17) tert-Butyl alcohol	3.877	59	1194468	9.333	ppbv	100
18) 1,1-Dichloroethene	3.880	96	581653	9.181	ppbv	98
19) Isopropyl Alcohol	3.574	45	520397	8.067	ppbv	99
20) Methylene Chloride	3.935	84	471265	8.319	ppbv	97
21) Allyl Chloride	3.996	41	830032	9.516	ppbv	98
22) trans-1,2-Dichloroethene	4.446	96	603136	9.354	ppbv	97
23) Vinyl Acetate	4.626	43	398881	10.647	ppbv #	97
24) 1,1-Dichloroethane	4.562	63	1215251	9.094	ppbv	98
25) Ethyl Acetate	5.201	43	2341722	9.288	ppbv	99
26) Hexane	5.211	57	987230	9.540	ppbv	97
27) Carbon Disulfide	4.124	76	1444042	9.990	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	1123321	9.454	ppbv	100
29) Chloroform	5.272	83	1731425	9.475	ppbv	99
30) Cyclohexane	6.603	84	831874	10.201	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	1032489	10.245	ppbv	99
32) 1,1,1-Trichloroethane	6.002	97	1766392	10.089	ppbv	98
34) 2-Butanone	4.783	43	1277398	9.174	ppbv	99
35) Carbon Tetrachloride	6.494	117	1809980	10.223	ppbv	97
36) Benzene	6.369	78	2071940	9.637	ppbv	99
37) 1,2-Dichloroethane	5.806	62	1325504	9.472	ppbv	100
38) Trichloroethene	7.291	130	1241244	10.565	ppbv	99
39) 1,2-Dichloropropane	7.073	63	801143	9.497	ppbv	97
40) 1,4-Dioxane	7.288	88	296545	8.886	ppbv #	1
41) Tetrahydrofuran	5.555	42	767011	9.545	ppbv	98
42) Bromodichloromethane	7.250	83	1897853	9.924	ppbv	99
43) Methyl Methacrylate	7.468	69	822147	10.290	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	3486037	9.725	ppbv	99
45) t-1,3-Dichloropropene	8.709	75	777083	11.157	ppbv	97

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

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Quant Time: Apr 05 01:29:39 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Wed Mar 15 16:14:43 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1071056	10.829	ppbv	100
47) 1,1,2-Trichloroethane	8.896	97	844563	9.384	ppbv	97
48) Dibromochloromethane	9.712	129	1442776	9.741	ppbv	100
49) Bromoform	12.407	173	1079693	9.706	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	2087437	9.688	ppbv	100
51) 2-Hexanone	9.549	43	1597365	9.569	ppbv	99
52) Tetrachloroethene	10.613	164	689408	10.599	ppbv	98
53) Toluene	9.221	91	2304960	10.230	ppbv	99
54) 1,2-Dibromoethane	10.008	107	918869	9.918	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.510	131	1022349	8.600	ppbv	98
57) Chlorobenzene	11.526	112	1723563	8.575	ppbv	98
58) Ethyl Benzene	12.085	91	3086457	9.592	ppbv	98
59) m/p-Xylene	12.372	91	5352645m	18.159	ppbv	
60) o-Xylene	13.060	91	2554228	9.065	ppbv	99
61) Styrene	12.899	104	1439152	10.065	ppbv	99
62) Isopropylbenzene	14.027	105	3601347	8.975	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	809108	8.161	ppbv	99
64) n-propylbenzene	14.915	120	917903	9.348	ppbv	98
65) tert-Butylbenzene	16.092	119	3191029	9.228	ppbv	100
66) Benzyl Chloride	16.326	91	207947	9.253	ppbv	97
67) sec-Butylbenzene	16.635	105	4596740	9.295	ppbv	100
69) p-Isopropyltoluene	16.995	119	3769016	9.787	ppbv	100
70) n-Butylbenzene	17.883	91	4180235	9.852	ppbv	100
71) 2-Chlorotoluene	14.799	91	2770181	9.071	ppbv	99
72) 4-Ethyltoluene	15.191	105	2930929	9.514	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	2641517	9.466	ppbv	98
74) 1,2,4-Trimethylbenzene	16.108	105	2926765	9.197	ppbv	97
75) 1,3-Dichlorobenzene	16.330	146	1630779	9.461	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	1600422	9.736	ppbv	99
77) 1,2-Dichlorobenzene	17.143	146	1617351	9.763	ppbv	100
78) Hexachloro-1,3-Butadiene	22.635	225	1146704	9.438	ppbv	99
79) Naphthalene	21.381	128	2308355	12.262	ppbv	98
80) Naphthalene,2-methyl-	24.374	142	345100	7.238	ppbv	96
81) 1,2,4-Trichlorobenzene	21.140	180	1213927	10.469	ppbv	98

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

