

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031623\
 Data File : VL040290.D
 Acq On : 16 Mar 2023 11:07
 Operator : SY/MD
 Sample : VL0316ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/17/2023
 Supervised By : Mahesh Dadoda 03/17/2023

Quant Time: Mar 17 04:13:33 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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	5.185	49	1070034	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2854009	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2751043m	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2359468 10.242 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.722	85	2037248	9.704	ppbv	98
3) Chlorodifluoromethane	2.668	51	1224993	9.104	ppbv	100
4) Chloromethane	2.806	50	763143	9.185	ppbv	97
5) Vinyl Chloride	2.912	62	673316	10.008	ppbv	100
6) Bromomethane	3.115	94	228671	9.802	ppbv	98
7) Chloroethane	3.189	64	237807	9.207	ppbv	96
8) Dichlorotetrafluoroethane	2.851	85	1700219	9.461	ppbv	99
9) Propene	2.687	41	497896	9.659	ppbv	96
10) Heptane	7.574	43	1258601	10.151	ppbv	99
11) Trichlorofluoromethane	3.555	101	1777641	9.345	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.057	101	1335397	9.348	ppbv	99
13) Ethanol	3.237	45	22238	5.882	ppbv	77
14) Bromoethene	3.359	108	514463	9.654	ppbv	97
15) Acetone	3.459	43	1166124	8.952	ppbv	100
16) 1,3-Butadiene	2.976	39	598705	10.111	ppbv	99
17) tert-Butyl alcohol	3.867	59	1209565	9.770	ppbv	99
18) 1,1-Dichloroethene	3.873	96	595707	9.720	ppbv	96
19) Isopropyl Alcohol	3.565	45	536269	8.594	ppbv	99
20) Methylene Chloride	3.925	84	489872	8.939	ppbv	95
21) Allyl Chloride	3.989	41	825119	9.779	ppbv	99
22) trans-1,2-Dichloroethene	4.439	96	601956	9.651	ppbv	98
23) Vinyl Acetate	4.619	43	363030	10.017	ppbv	98
24) 1,1-Dichloroethane	4.555	63	1225200	9.478	ppbv	99
25) Ethyl Acetate	5.195	43	2230496	9.146	ppbv	99
26) Hexane	5.205	57	950311	9.493	ppbv	96
27) Carbon Disulfide	4.118	76	1481205	10.593	ppbv	99
28) Methyl tert-Butyl Ether	4.578	73	1104299	9.607	ppbv	100
29) Chloroform	5.269	83	1625923	9.198	ppbv	99
30) Cyclohexane	6.597	84	817318	10.361	ppbv	98
31) cis-1,2-Dichloroethene	5.073	61	911924	9.354	ppbv	99
32) 1,1,1-Trichloroethane	5.996	97	1727910	10.203	ppbv	99
34) 2-Butanone	4.777	43	1313857	9.328	ppbv	99
35) Carbon Tetrachloride	6.487	117	1786638	9.976	ppbv	99
36) Benzene	6.365	78	2066525	9.501	ppbv	99
37) 1,2-Dichloroethane	5.799	62	1309607	9.251	ppbv	99
38) Trichloroethene	7.285	130	1231858	10.364	ppbv	98
39) 1,2-Dichloropropane	7.066	63	790955	9.269	ppbv	98
40) 1,4-Dioxane	7.282	88	299250	8.864	ppbv	75
41) Tetrahydrofuran	5.552	42	764426	9.403	ppbv	99
42) Bromodichloromethane	7.243	83	1861451	9.622	ppbv	97
43) Methyl Methacrylate	7.468	69	821094	10.159	ppbv	99
44) 2,2,4-Trimethylpentane	7.320	57	3473644	9.579	ppbv	100
45) t-1,3-Dichloropropene	8.703	75	769247	10.917	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031623\
 Data File : VL040290.D
 Acq On : 16 Mar 2023 11:07
 Operator : SY/MD
 Sample : VL0316ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/17/2023
 Supervised By :Mahesh Dadoda 03/17/2023

Quant Time: Mar 17 04:13:33 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)
46) cis-1,3-Dichloropropene	8.137	75	1062529	10.619	ppbv	100
47) 1,1,2-Trichloroethane	8.893	97	840020	9.226	ppbv	96
48) Dibromochloromethane	9.706	129	1444445	9.640	ppbv	100
49) Bromoform	12.404	173	1066800	9.480	ppbv	100
50) 4-Methyl-2-Pentanone	8.172	43	2114859	9.703	ppbv	99
51) 2-Hexanone	9.545	43	1642351	9.726	ppbv #	99
52) Tetrachloroethene	10.609	164	666882	10.135	ppbv	96
53) Toluene	9.214	91	2299931	10.091	ppbv	99
54) 1,2-Dibromoethane	10.002	107	904853	9.655	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.507	131	1025097	8.858	ppbv	98
57) Chlorobenzene	11.526	112	1736826	8.875	ppbv	97
58) Ethyl Benzene	12.082	91	3079509	9.831	ppbv	99
59) m/p-Xylene	12.368	91	5341780m	18.615	ppbv	
60) o-Xylene	13.053	91	2542409	9.268	ppbv	99
61) Styrene	12.896	104	1419694	10.199	ppbv	99
62) Isopropylbenzene	14.027	105	3556655	9.104	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.043	83	818126	8.476	ppbv	99
64) n-propylbenzene	14.912	120	916046	9.582	ppbv	98
65) tert-Butylbenzene	16.088	119	3199351	9.504	ppbv	100
66) Benzyl Chloride	16.326	91	214585	9.808	ppbv	98
67) sec-Butylbenzene	16.635	105	4575803	9.504	ppbv	100
69) p-Isopropyltoluene	16.992	119	3762246	10.034	ppbv	100
70) n-Butylbenzene	17.883	91	4205957	10.182	ppbv	100
71) 2-Chlorotoluene	14.796	91	2770947	9.320	ppbv	100
72) 4-Ethyltoluene	15.191	105	2929914	9.769	ppbv	98
73) 1,3,5-Trimethylbenzene	15.346	105	2629368	9.679	ppbv	99
74) 1,2,4-Trimethylbenzene	16.104	105	2917186	9.416	ppbv	95
75) 1,3-Dichlorobenzene	16.326	146	1611162	9.602	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	1591859	9.947	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	1611719	9.993	ppbv	100
78) Hexachloro-1,3-Butadiene	22.635	225	1029833	8.706	ppbv	99
79) Naphthalene	21.384	128	2291588	12.503	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	329993	7.109	ppbv	96
81) 1,2,4-Trichlorobenzene	21.136	180	1194360	10.580	ppbv	99

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

