

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
 Data File : VL040811.D
 Acq On : 8 Nov 2023 14:59
 Operator : SY/MD
 Sample : VL1108ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1108ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/11/2023
 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 09 00:29:54 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Thu Nov 09 00:25:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1093976	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2792339	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2607298	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.767 95 1888266 9.842 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.774	85	1811329	9.402	ppbv	98
3) Chlorodifluoromethane	2.719	51	1769697	11.007	ppbv	97
4) Chloromethane	2.857	50	646920	10.190	ppbv	94
5) Vinyl Chloride	2.963	62	658576	10.040	ppbv	98
6) Bromomethane	3.160	94	306143	11.281	ppbv	95
7) Chloroethane	3.234	64	232570	10.891	ppbv	97
8) Dichlorotetrafluoroethane	2.899	85	1647850	11.284	ppbv	100
9) Propene	2.738	41	600502	10.056	ppbv	99
10) Heptane	7.584	43	1519080	10.126	ppbv	100
11) Trichlorofluoromethane	3.597	101	1741681	11.714	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.095	101	1209646	11.407	ppbv	99
13) Ethanol	3.275	45	128118	9.504	ppbv	90
14) Bromoethene	3.401	108	526503	11.593	ppbv	99
15) Acetone	3.504	43	1203741	10.644	ppbv	99
16) 1,3-Butadiene	3.028	39	648189	10.925	ppbv	98
17) tert-Butyl alcohol	3.909	59	1151958	9.934	ppbv	100
18) 1,1-Dichloroethene	3.909	96	527851	11.106	ppbv	98
19) Isopropyl Alcohol	3.610	45	859254	11.802	ppbv #	40
20) Methylene Chloride	3.963	84	440834	9.358	ppbv	96
21) Allyl Chloride	4.024	41	802638	10.761	ppbv	94
22) trans-1,2-Dichloroethene	4.471	96	569807	11.264	ppbv	96
23) Vinyl Acetate	4.652	43	1373575	9.530	ppbv	98
24) 1,1-Dichloroethane	4.587	63	1138867	10.477	ppbv	99
25) Ethyl Acetate	5.224	43	2525568	10.192	ppbv	100
26) Hexane	5.233	57	1092392	9.646	ppbv	96
27) Carbon Disulfide	4.153	76	1393855	11.155	ppbv	99
28) Methyl tert-Butyl Ether	4.610	73	846059	9.607	ppbv	99
29) Chloroform	5.295	83	1834488	11.195	ppbv	99
30) Cyclohexane	6.613	84	959053	9.951	ppbv	97
31) cis-1,2-Dichloroethene	5.098	61	1141651	10.939	ppbv	99
32) 1,1,1-Trichloroethane	6.015	97	1858952	10.658	ppbv	99
34) 2-Butanone	4.806	43	1283425	10.154	ppbv	99
35) Carbon Tetrachloride	6.503	117	1982898	12.652	ppbv	96
36) Benzene	6.381	78	2385894	11.108	ppbv	99
37) 1,2-Dichloroethane	5.822	62	1432041	13.019	ppbv	98
38) Trichloroethene	7.298	130	946069	9.953	ppbv	99
39) 1,2-Dichloropropane	7.082	63	942508	11.232	ppbv	94
40) 1,4-Dioxane	7.288	88	401760	12.652	ppbv #	96
41) Tetrahydrofuran	5.571	42	991777	11.331	ppbv	99
42) Bromodichloromethane	7.256	83	2104058	12.769	ppbv	99
43) Methyl Methacrylate	7.481	69	997441	11.601	ppbv	99
44) 2,2,4-Trimethylpentane	7.333	57	3892222	10.716	ppbv	99
45) t-1,3-Dichloropropene	8.712	75	876809	12.790	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
 Data File : VL040811.D
 Acq On : 8 Nov 2023 14:59
 Operator : SY/MD
 Sample : VL1108ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1108ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/11/2023
 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 09 00:29:54 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Thu Nov 09 00:25:02 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1027063	12.262	ppbv	95
47) 1,1,2-Trichloroethane	8.902	97	1007302	11.428	ppbv	98
48) Dibromochloromethane	9.709	129	1809340	12.249	ppbv	100
49) Bromoform	12.404	173	1448061	12.060	ppbv	100
50) 4-Methyl-2-Pentanone	8.182	43	2518604	11.648	ppbv	98
51) 2-Hexanone	9.548	43	1885138	11.456	ppbv #	98
52) Tetrachloroethene	10.616	164	845099	9.687	ppbv	95
53) Toluene	9.220	91	2762123	10.806	ppbv	97
54) 1,2-Dibromoethane	10.008	107	1509546	12.216	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.503	131	1268626m	11.922	ppbv	
57) Chlorobenzene	11.526	112	2131792	11.411	ppbv	97
58) Ethyl Benzene	12.085	91	3753458	11.434	ppbv	96
59) m/p-Xylene	12.368	91	6341359m	23.471	ppbv	
60) o-Xylene	13.053	91	2968753	11.532	ppbv	98
61) Styrene	12.892	104	1644244	11.528	ppbv	97
62) Isopropylbenzene	14.024	105	4416186	11.151	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.043	83	2156204	11.172	ppbv	100
64) n-propylbenzene	14.908	120	1167044	10.969	ppbv	86
65) tert-Butylbenzene	16.085	119	3893192	10.899	ppbv	95
66) Benzyl Chloride	16.317	91	330874	9.194	ppbv	96
67) sec-Butylbenzene	16.628	105	5466156	11.177	ppbv	98
69) p-Isopropyltoluene	16.989	119	4537468	11.072	ppbv	98
70) n-Butylbenzene	17.879	91	4813205	11.961	ppbv	98
71) 2-Chlorotoluene	14.793	91	3479730	11.697	ppbv	97
72) 4-Ethyltoluene	15.188	105	3541658	11.748	ppbv	97
73) 1,3,5-Trimethylbenzene	15.342	105	3049095	11.488	ppbv	98
74) 1,2,4-Trimethylbenzene	16.101	105	3342814	11.527	ppbv	97
75) 1,3-Dichlorobenzene	16.323	146	1983431	10.997	ppbv	97
76) 1,4-Dichlorobenzene	16.468	146	1943691	10.882	ppbv	97
77) 1,2-Dichlorobenzene	17.137	146	1919228	10.845	ppbv	97
78) Hexachloro-1,3-Butadiene	22.628	225	1198249	9.463	ppbv	98
79) Naphthalene	21.378	128	2907483	12.334	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	783917	11.851	ppbv	96
81) 1,2,4-Trichlorobenzene	21.133	180	1457285	11.387	ppbv	99

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

