

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111423\
 Data File : VL040846.D
 Acq On : 14 Nov 2023 11:37
 Operator : SY/MD
 Sample : VL1114ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1114ABS01

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 11/17/2023
 Supervised By : Semsettin Yesilyurt 11/17/2023

Quant Time: Nov 14 12:07:03 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 13 15:42:46 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1113765	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.642	114	2823905	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.446	117	2748604m	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	2117976	9.842	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.745	85	2070877	9.172	ppbv	98
3) Chlorodifluoromethane	2.690	51	1650087	9.279	ppbv	100
4) Chloromethane	2.829	50	601903	9.413	ppbv	99
5) Vinyl Chloride	2.935	62	622793	9.793	ppbv	99
6) Bromomethane	3.131	94	234672	9.667	ppbv	96
7) Chloroethane	3.208	64	205091	9.313	ppbv	92
8) Dichlorotetrafluoroethane	2.870	85	1523063	9.342	ppbv	99
9) Propene	2.710	41	555196	9.264	ppbv	98
10) Heptane	7.565	43	1407733	9.549	ppbv	100
11) Trichlorofluoromethane	3.568	101	1633835	9.418	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.067	101	1143222	9.276	ppbv	99
13) Ethanol	3.253	45	99828	8.579	ppbv #	100
14) Bromoethene	3.375	108	479963	9.682	ppbv	98
15) Acetone	3.475	43	1063176	8.963	ppbv	100
16) 1,3-Butadiene	2.999	39	617141	10.284	ppbv	99
17) tert-Butyl alcohol	3.883	59	976274	9.624	ppbv	99
18) 1,1-Dichloroethene	3.883	96	502620	9.150	ppbv	96
19) Isopropyl Alcohol	3.581	45	701331	9.824	ppbv	99
20) Methylene Chloride	3.938	84	419649	8.572	ppbv	95
21) Allyl Chloride	3.999	41	729532	9.610	ppbv	99
22) trans-1,2-Dichloroethene	4.446	96	547184	8.777	ppbv	96
23) Vinyl Acetate	4.626	43	1364944	8.911	ppbv	99
24) 1,1-Dichloroethane	4.562	63	1088878	7.976	ppbv	99
25) Ethyl Acetate	5.198	43	2364011	9.625	ppbv	99
26) Hexane	5.205	57	1029411	9.470	ppbv	99
27) Carbon Disulfide	4.124	76	1349976	9.793	ppbv	100
28) Methyl tert-Butyl Ether	4.584	73	793416	8.071	ppbv	98
29) Chloroform	5.269	83	1716071	9.314	ppbv	95
30) Cyclohexane	6.587	84	892505	9.544	ppbv	99
31) cis-1,2-Dichloroethene	5.073	61	1083240	10.070	ppbv	97
32) 1,1,1-Trichloroethane	5.992	97	1727540	10.050	ppbv	99
34) 2-Butanone	4.780	43	1456957	10.128	ppbv	100
35) Carbon Tetrachloride	6.481	117	1843179	10.638	ppbv	99
36) Benzene	6.359	78	2198439	9.592	ppbv	99
37) 1,2-Dichloroethane	5.800	62	1350347	9.990	ppbv	100
38) Trichloroethene	7.275	130	834793	9.371	ppbv	99
39) 1,2-Dichloropropane	7.060	63	860747	9.472	ppbv	98
40) 1,4-Dioxane	7.269	88	330050	9.154	ppbv #	100
41) Tetrahydrofuran	5.549	42	898919	10.149	ppbv	99
42) Bromodichloromethane	7.234	83	1941335	10.036	ppbv	99
43) Methyl Methacrylate	7.455	69	908841	10.406	ppbv	99
44) 2,2,4-Trimethylpentane	7.314	57	3636415	9.552	ppbv	100
45) t-1,3-Dichloropropene	8.693	75	585141	11.401	ppbv	100

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Mon Nov 13 15:42:46 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.124	75	722108	10.851	ppbv	96
47) 1,1,2-Trichloroethane	8.880	97	917007	9.630	ppbv	97
48) Dibromochloromethane	9.690	129	1630117	10.317	ppbv	99
49) Bromoform	12.385	173	1282650	10.793	ppbv	99
50) 4-Methyl-2-Pentanone	8.163	43	2314821	10.397	ppbv	99
51) 2-Hexanone	9.529	43	1694738	10.799	ppbv #	100
52) Tetrachloroethene	10.594	164	757816	9.819	ppbv	99
53) Toluene	9.201	91	2520636	9.995	ppbv	99
54) 1,2-Dibromoethane	9.989	107	1265924	10.331	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.487	131	1157290	9.838	ppbv	98
57) Chlorobenzene	11.504	112	1903205	9.342	ppbv	98
58) Ethyl Benzene	12.066	91	3414682	9.522	ppbv	99
59) m/p-Xylene	12.352	91	5756961m	18.851	ppbv	
60) o-Xylene	13.034	91	2739532	9.423	ppbv	98
61) Styrene	12.876	104	1428648	10.190	ppbv	99
62) Isopropylbenzene	14.005	105	3988063	9.285	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.021	83	1954315	9.484	ppbv	100
64) n-propylbenzene	14.892	120	1036949	9.633	ppbv	99
65) tert-Butylbenzene	16.066	119	3448624	9.522	ppbv	100
66) Benzyl Chloride	16.307	91	141832m	10.628	ppbv	
67) sec-Butylbenzene	16.613	105	4849254	9.373	ppbv	100
69) p-Isopropyltoluene	16.970	119	3920695	9.504	ppbv	100
70) n-Butylbenzene	17.860	91	4136610	9.496	ppbv	100
71) 2-Chlorotoluene	14.773	91	3105458	9.485	ppbv	100
72) 4-Ethyltoluene	15.169	105	3127518	9.786	ppbv	99
73) 1,3,5-Trimethylbenzene	15.327	105	2685437	9.501	ppbv	98
74) 1,2,4-Trimethylbenzene	16.082	105	2934103	9.302	ppbv	99
75) 1,3-Dichlorobenzene	16.304	146	1658456	9.522	ppbv	99
76) 1,4-Dichlorobenzene	16.449	146	1614662	9.683	ppbv	99
77) 1,2-Dichlorobenzene	17.117	146	1584136	9.354	ppbv	99
78) Hexachloro-1,3-Butadiene	22.606	225	909595	8.578	ppbv	99
79) Naphthalene	21.362	128	2012562	12.414	ppbv	99
80) Naphthalene,2-methyl-	24.355	142	384236	13.426	ppbv	93
81) 1,2,4-Trichlorobenzene	21.111	180	1021294	10.362	ppbv	99

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

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