

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010325\
 Data File : VL041835.D
 Acq On : 03 Jan 2025 20:18
 Operator : SY/MD
 Sample : VL0103ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0103ABS01

Quant Time: Jan 03 20:46:57 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M

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

QLast Update : Thu Dec 19 07:32:09 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/06/2025
 Supervised By : Mahesh Dadoda 01/06/2025

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

Internal Standards						
1) Bromochloromethane	2.803	49	85315	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	202909	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	176917	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.393	95	153428	10.407	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	109361	7.204	ppbv	96
3) Chlorodifluoromethane	1.483	51	128198	9.214	ppbv	99
4) Chloromethane	1.538	50	53236	8.963	ppbv	100
5) Vinyl Chloride	1.586	62	50986	8.520	ppbv	98
6) Bromomethane	1.674	94	24129	8.544	ppbv	97
7) Chloroethane	1.712	64	20273	8.721	ppbv	98
8) Dichlorotetrafluoroethane	1.560	85	116328	8.561	ppbv	95
9) Propene	1.489	41	46179	7.658	ppbv	98
10) Heptane	5.011	43	135222	8.730	ppbv	99
11) Trichlorofluoromethane	1.884	101	136615	8.472	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.149	101	102983	8.397	ppbv	97
13) Ethanol	1.751	45	4280m	8.571	ppbv	
14) Bromoethene	1.790	108	34390	8.306	ppbv	97
15) Acetone	1.852	43	134928	8.128	ppbv	98
16) 1,3-Butadiene	1.615	39	56888	8.703	ppbv	97
17) tert-Butyl alcohol	2.062	59	143769	8.730	ppbv	99
18) 1,1-Dichloroethene	2.043	96	42000	8.169	ppbv	93
19) Isopropyl Alcohol	1.913	45	75903	7.620	ppbv #	38
20) Methylene Chloride	2.072	84	39545	8.355	ppbv	97
21) Allyl Chloride	2.107	41	82649	9.180	ppbv	99
22) trans-1,2-Dichloroethene	2.353	96	48293	8.205	ppbv	95
23) Vinyl Acetate	2.476	43	61568	7.988	ppbv #	96
24) 1,1-Dichloroethane	2.421	63	104178	8.744	ppbv	99
25) Ethyl Acetate	2.855	43	282202	9.139	ppbv	100
26) Hexane	2.842	57	102267	8.727	ppbv	93
27) Carbon Disulfide	2.162	76	92899	8.797	ppbv	95
28) Methyl tert-Butyl Ether	2.454	73	71880	7.561	ppbv	99
29) Chloroform	2.865	83	163652	9.164	ppbv	99
30) Cyclohexane	3.878	84	82369	8.261	ppbv	98
31) cis-1,2-Dichloroethene	2.735	61	100390	8.290	ppbv	97
32) 1,1,1-Trichloroethane	3.389	97	153995	8.482	ppbv	98
34) 2-Butanone	2.577	43	165937	10.165	ppbv	98
35) Carbon Tetrachloride	3.784	117	157638	10.944	ppbv	99
36) Benzene	3.680	78	203910	9.715	ppbv	97
37) 1,2-Dichloroethane	3.237	62	129207	9.893	ppbv	99
38) Trichloroethene	4.577	130	77098	8.653	ppbv	95
39) 1,2-Dichloropropane	4.341	63	75612	9.961	ppbv	94
40) 1,4-Dioxane	4.648	88	36680	9.891	ppbv #	1
41) Tetrahydrofuran	3.078	42	89599	9.797	ppbv	96
42) Bromodichloromethane	4.519	83	159617	10.624	ppbv	99
43) Methyl Methacrylate	4.914	69	75503	9.441	ppbv	99
44) 2,2,4-Trimethylpentane	4.671	57	371479	10.364	ppbv	99
45) t-1,3-Dichloropropene	6.448	75	71943	8.697	ppbv	94

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QLast Update : Thu Dec 19 07:32:09 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.639	75	97720	9.306	ppbv	99
47) 1,1,2-Trichloroethane	6.616	97	78509	9.902	ppbv	91
48) Dibromochloromethane	7.415	129	115064	10.628	ppbv	100
49) Bromoform	9.503	173	95248	10.747	ppbv	99
50) 4-Methyl-2-Pentanone	5.794	43	221086	9.947	ppbv	98
51) 2-Hexanone	7.467	43	175224	9.726	ppbv #	96
52) Tetrachloroethene	8.247	164	66177	8.471	ppbv	97
53) Toluene	6.966	91	215409	9.052	ppbv	99
54) 1,2-Dibromoethane	7.681	107	106038	9.706	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.946	131	99893	10.651	ppbv	98
57) Chlorobenzene	8.943	112	183009	10.109	ppbv	96
58) Ethyl Benzene	9.374	91	309782	9.726	ppbv	100
59) m/p-Xylene	9.571	91	527847m	20.611	ppbv	
60) o-Xylene	9.985	91	263040	10.242	ppbv	98
61) Styrene	9.891	104	110567	9.956	ppbv	98
62) Isopropylbenzene	10.558	105	385547	9.992	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.982	83	172629	10.739	ppbv	100
64) n-propylbenzene	11.008	120	101153	10.369	ppbv	99
65) tert-Butylbenzene	11.549	119	347070	9.970	ppbv	99
66) Benzyl Chloride	11.633	91	27123	8.845	ppbv	97
67) sec-Butylbenzene	11.785	105	497384	10.325	ppbv	99
69) p-Isopropyltoluene	11.944	119	406259	10.233	ppbv	99
70) n-Butylbenzene	12.296	91	405788	10.579	ppbv	98
71) 2-Chlorotoluene	10.921	91	294703	10.006	ppbv	99
72) 4-Ethyltoluene	11.144	105	315873	10.420	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	268602	10.680	ppbv	100
74) 1,2,4-Trimethylbenzene	11.555	105	299293	11.066	ppbv	93
75) 1,3-Dichlorobenzene	11.626	146	174003	10.091	ppbv	99
76) 1,4-Dichlorobenzene	11.688	146	174075	10.219	ppbv	97
77) 1,2-Dichlorobenzene	11.963	146	168563	10.159	ppbv	99
78) Hexachloro-1,3-Butadiene	13.898	225	98307	7.991	ppbv	99
79) Naphthalene	13.529	128	207867	11.030	ppbv	100
80) Naphthalene,2-methyl-	14.475	142	79796	13.690	ppbv	98
81) 1,2,4-Trichlorobenzene	13.458	180	98074	9.524	ppbv	98

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

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