

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041920.D
 Acq On : 20 Jan 2025 14:49
 Operator : SY/MD
 Sample : VL0120ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABS01

Quant Time: Jan 21 03:03:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/21/2025
 Supervised By : Mahesh Dadoda 01/21/2025

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

Internal Standards						
1) Bromochloromethane	2.784	49	135102	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.952	114	387101	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.875	117	349589	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.374	95	278711	10.122	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.200%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.496	85	194318	10.559	ppbv	98
3) Chlorodifluoromethane	1.473	51	197472	10.243	ppbv	98
4) Chloromethane	1.531	50	72874	10.529	ppbv	98
5) Vinyl Chloride	1.577	62	72113	10.287	ppbv	99
6) Bromomethane	1.664	94	33135	9.918	ppbv	96
7) Chloroethane	1.703	64	28640	10.501	ppbv	98
8) Dichlorotetrafluoroethane	1.551	85	166851	10.375	ppbv	97
9) Propene	1.479	41	77143	9.714	ppbv	98
10) Heptane	4.972	43	221305	10.425	ppbv	99
11) Trichlorofluoromethane	1.874	101	194272	10.148	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	146623	9.773	ppbv	100
13) Ethanol	1.719	45	4038	6.942	ppbv	85
14) Bromoethene	1.777	108	55312	10.069	ppbv	99
15) Acetone	1.832	43	150156	9.254	ppbv	100
16) 1,3-Butadiene	1.606	39	77537	10.646	ppbv	96
17) tert-Butyl alcohol	2.036	59	181975	9.112	ppbv	98
18) 1,1-Dichloroethene	2.030	96	66143	9.782	ppbv	92
19) Isopropyl Alcohol	1.884	45	83014	8.628	ppbv	90
20) Methylene Chloride	2.059	84	56310	8.781	ppbv	98
21) Allyl Chloride	2.091	41	109320	9.729	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	77371	10.138	ppbv	98
23) Vinyl Acetate	2.460	43	70431	8.756	ppbv	98
24) 1,1-Dichloroethane	2.405	63	151563	10.268	ppbv	97
25) Ethyl Acetate	2.832	43	459719	10.506	ppbv	100
26) Hexane	2.819	57	180370	10.422	ppbv	96
27) Carbon Disulfide	2.146	76	175967	10.275	ppbv	96
28) Methyl tert-Butyl Ether	2.438	73	101706	7.689	ppbv	98
29) Chloroform	2.845	83	293134	10.715	ppbv	100
30) Cyclohexane	3.852	84	153860	10.250	ppbv	99
31) cis-1,2-Dichloroethene	2.716	61	181894	9.982	ppbv	95
32) 1,1,1-Trichloroethane	3.363	97	291864	11.149	ppbv	99
34) 2-Butanone	2.554	43	259553	10.543	ppbv	100
35) Carbon Tetrachloride	3.758	117	289005	11.886	ppbv	98
36) Benzene	3.651	78	373474	10.519	ppbv	99
37) 1,2-Dichloroethane	3.214	62	220096	11.038	ppbv	100
38) Trichloroethene	4.541	130	148232	10.521	ppbv	97
39) 1,2-Dichloropropane	4.305	63	131897	10.591	ppbv	96
40) 1,4-Dioxane	4.580	88	60318	9.590	ppbv #	89
41) Tetrahydrofuran	3.052	42	145307	10.861	ppbv	99
42) Bromodichloromethane	4.483	83	300955	11.257	ppbv	99
43) Methyl Methacrylate	4.875	69	138125	10.472	ppbv	97
44) 2,2,4-Trimethylpentane	4.632	57	620956	10.813	ppbv	99
45) t-1,3-Dichloropropene	6.412	75	134773	10.916	ppbv	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	178041	10.984	ppbv	95
47) 1,1,2-Trichloroethane	6.577	97	143288	10.855	ppbv	97
48) Dibromochloromethane	7.380	129	239335	11.751	ppbv	99
49) Bromoform	9.477	173	202023	12.076	ppbv	98
50) 4-Methyl-2-Pentanone	5.752	43	363704m	10.822	ppbv	
51) 2-Hexanone	7.432	43	285982	11.075	ppbv #	95
52) Tetrachloroethene	8.221	164	125228	10.172	ppbv	96
53) Toluene	6.927	91	422420	10.923	ppbv	99
54) 1,2-Dibromoethane	7.649	107	199693	11.005	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.920	131	192001	11.008	ppbv	99
57) Chlorobenzene	8.917	112	333484	10.342	ppbv	98
58) Ethyl Benzene	9.351	91	594180	10.876	ppbv	99
59) m/p-Xylene	9.548	91	967584m	22.095	ppbv	
60) o-Xylene	9.959	91	484897	11.155	ppbv	100
61) Styrene	9.866	104	217994	11.180	ppbv	99
62) Isopropylbenzene	10.536	105	733114	10.900	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	304162	10.951	ppbv	99
64) n-propylbenzene	10.985	120	187191	11.014	ppbv	100
65) tert-Butylbenzene	11.529	119	664818	10.846	ppbv	99
66) Benzyl Chloride	11.613	91	39111	10.309	ppbv	99
67) sec-Butylbenzene	11.765	105	919962	10.900	ppbv	100
69) p-Isopropyltoluene	11.924	119	765677	11.017	ppbv	100
70) n-Butylbenzene	12.280	91	756926	10.981	ppbv	99
71) 2-Chlorotoluene	10.898	91	544953	10.953	ppbv	99
72) 4-Ethyltoluene	11.121	105	583898	11.230	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	510670	11.122	ppbv	98
74) 1,2,4-Trimethylbenzene	11.536	105	550233	11.066	ppbv #	87
75) 1,3-Dichlorobenzene	11.604	146	314285	10.666	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	307295	10.659	ppbv	99
77) 1,2-Dichlorobenzene	11.944	146	308471	10.563	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	227006	9.471	ppbv	99
79) Naphthalene	13.513	128	495170	9.890	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	173122	7.293	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	227472	9.308	ppbv	99

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

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