

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041525\
 Data File : VL042328.D
 Acq On : 15 Apr 2025 12:54
 Operator : SY/MD
 Sample : VL0415ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0415ABS01

Quant Time: Apr 16 01:30:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/16/2025
 Supervised By : Mahesh Dadoda 04/16/2025

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

Internal Standards						
1) Bromochloromethane	2.810	49	171986	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	3.994	114	444595	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.917	117	399604	10.000	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.406	95	318902	9.718	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.509	85	214241	8.437	ppbv	99
3) Chlorodifluoromethane	1.486	51	234966	9.058	ppbv	97
4) Chloromethane	1.541	50	88230	8.502	ppbv	98
5) Vinyl Chloride	1.589	62	82221	7.476	ppbv	94
6) Bromomethane	1.680	94	36050	7.665	ppbv	100
7) Chloroethane	1.716	64	33039	7.931	ppbv	97
8) Dichlorotetrafluoroethane	1.564	85	178173	8.239	ppbv	95
9) Propene	1.492	41	94136	7.917	ppbv	99
10) Heptane	5.027	43	267288	8.451	ppbv	99
11) Trichlorofluoromethane	1.890	101	201665	8.162	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.156	101	154306	7.598	ppbv	98
13) Ethanol	1.732	45	4407	3.921	ppbv	97
14) Bromoethene	1.793	108	57635	7.408	ppbv	99
15) Acetone	1.848	43	178724	7.430	ppbv	96
16) 1,3-Butadiene	1.619	39	89479	7.617	ppbv	96
17) tert-Butyl alcohol	2.055	59	202421	6.757	ppbv	99
18) 1,1-Dichloroethene	2.049	96	69013	7.269	ppbv	97
19) Isopropyl Alcohol	1.900	45	100289	7.390	ppbv	97
20) Methylene Chloride	2.075	84	60054	6.704	ppbv	88
21) Allyl Chloride	2.111	41	127800	7.534	ppbv	98
22) trans-1,2-Dichloroethene	2.360	96	78991	7.198	ppbv	98
23) Vinyl Acetate	2.483	43	64777	6.222	ppbv	98
24) 1,1-Dichloroethane	2.428	63	168373	8.277	ppbv	99
25) Ethyl Acetate	2.861	43	545140	8.732	ppbv	99
26) Hexane	2.848	57	205629	8.528	ppbv	97
27) Carbon Disulfide	2.166	76	191388	7.402	ppbv	99
28) Methyl tert-Butyl Ether	2.460	73	107667	7.172	ppbv	96
29) Chloroform	2.874	83	309262	8.763	ppbv	100
30) Cyclohexane	3.891	84	165914	7.924	ppbv	98
31) cis-1,2-Dichloroethene	2.742	61	197651	8.074	ppbv	99
32) 1,1,1-Trichloroethane	3.395	97	304143	7.528	ppbv	97
34) 2-Butanone	2.580	43	300576	9.323	ppbv	98
35) Carbon Tetrachloride	3.797	117	314849	9.065	ppbv	99
36) Benzene	3.690	78	407959	9.256	ppbv	98
37) 1,2-Dichloroethane	3.247	62	235609	9.337	ppbv	99
38) Trichloroethene	4.590	130	164664	8.954	ppbv	96
39) 1,2-Dichloropropane	4.354	63	149260	9.299	ppbv	97
40) 1,4-Dioxane	4.625	88	68773	8.072	ppbv #	95
41) Tetrahydrofuran	3.082	42	173776	9.361	ppbv	95
42) Bromodichloromethane	4.532	83	327497	9.414	ppbv	99
43) Methyl Methacrylate	4.930	69	151531	8.121	ppbv	98
44) 2,2,4-Trimethylpentane	4.680	57	707832	9.503	ppbv	98
45) t-1,3-Dichloropropene	6.470	75	143714	7.179	ppbv	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.658	75	192419	7.841	ppbv	96
47) 1,1,2-Trichloroethane	6.635	97	163251	9.621	ppbv	98
48) Dibromochloromethane	7.428	129	266192	9.256	ppbv	100
49) Bromoform	9.519	173	236686	9.168	ppbv	99
50) 4-Methyl-2-Pentanone	5.807	43	429988	8.416	ppbv	95
51) 2-Hexanone	7.480	43	344172	8.203	ppbv #	96
52) Tetrachloroethene	8.263	164	139845	8.000	ppbv	95
53) Toluene	6.978	91	447178	8.559	ppbv	99
54) 1,2-Dibromoethane	7.694	107	214982	9.089	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.959	131	216770	9.855	ppbv	98
57) Chlorobenzene	8.956	112	369132	9.739	ppbv	95
58) Ethyl Benzene	9.390	91	618669	8.716	ppbv	100
59) m/p-Xylene	9.584	91	1049238m	18.512	ppbv	
60) o-Xylene	9.995	91	517471	9.107	ppbv	96
61) Styrene	9.904	104	229601	8.168	ppbv	97
62) Isopropylbenzene	10.568	105	785673	9.247	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.995	83	351308	10.176	ppbv	99
64) n-propylbenzene	11.018	120	210294	9.615	ppbv	98
65) tert-Butylbenzene	11.558	119	718948	9.149	ppbv	97
66) Benzyl Chloride	11.642	91	55150	6.614	ppbv	99
67) sec-Butylbenzene	11.795	105	1018861	9.328	ppbv	100
69) p-Isopropyltoluene	11.950	119	863264	9.179	ppbv	99
70) n-Butylbenzene	12.306	91	891883	9.273	ppbv	99
71) 2-Chlorotoluene	10.930	91	590408	8.953	ppbv	99
72) 4-Ethyltoluene	11.150	105	652962	9.230	ppbv	98
73) 1,3,5-Trimethylbenzene	11.231	105	559451	9.055	ppbv	100
74) 1,2,4-Trimethylbenzene	11.565	105	632271	8.883	ppbv	97
75) 1,3-Dichlorobenzene	11.633	146	381882	9.782	ppbv	98
76) 1,4-Dichlorobenzene	11.697	146	383116	9.861	ppbv	98
77) 1,2-Dichlorobenzene	11.973	146	386768	10.175	ppbv	98
78) Hexachloro-1,3-Butadiene	13.905	225	314860	8.138	ppbv	100
79) Naphthalene	13.539	128	777722	9.989	ppbv	99
80) Naphthalene,2-methyl-	14.481	142	375541	9.836	ppbv	98
81) 1,2,4-Trichlorobenzene	13.465	180	343011	9.551	ppbv	99

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

Manual Integrations

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