

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
 Data File : VL042418.D
 Acq On : 28 Apr 2025 10:10
 Operator : SY/MD
 Sample : VL0428ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01

Quant Time: Apr 29 01:32:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/29/2025
 Supervised By : Mahesh Dadoda 04/30/2025

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

Internal Standards						
1) Bromochloromethane	2.780	49	122448	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	337202	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	299130	10.000	ppbv	0.00

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 10.370 95 258626 10.521 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.200%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.495	85	216893	10.025	ppbv	99
3) Chlorodifluoromethane	1.473	51	187830	9.117	ppbv	97
4) Chloromethane	1.531	50	82976	9.692	ppbv	98
5) Vinyl Chloride	1.576	62	81506	8.746	ppbv	96
6) Bromomethane	1.664	94	37549	9.379	ppbv	86
7) Chloroethane	1.703	64	31924	9.472	ppbv	98
8) Dichlorotetrafluoroethane	1.550	85	184850	9.952	ppbv	95
9) Propene	1.482	41	74980	7.992	ppbv	95
10) Heptane	4.968	43	199403	7.565	ppbv	99
11) Trichlorofluoromethane	1.874	101	205815	10.004	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.136	101	161799	9.619	ppbv	97
13) Ethanol	1.719	45	4439	2.977	ppbv	81
14) Bromoethene	1.780	108	60748	9.581	ppbv	97
15) Acetone	1.832	43	172651	8.613	ppbv	99
16) 1,3-Butadiene	1.605	39	86553	9.028	ppbv	94
17) tert-Butyl alcohol	2.036	59	221069	8.899	ppbv	100
18) 1,1-Dichloroethene	2.029	96	72496	9.225	ppbv	98
19) Isopropyl Alcohol	1.884	45	97525	8.758	ppbv	88
20) Methylene Chloride	2.059	84	62175	7.920	ppbv	89
21) Allyl Chloride	2.091	41	124058	8.964	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	82175	9.184	ppbv	97
23) Vinyl Acetate	2.457	43	67206	8.283	ppbv #	99
24) 1,1-Dichloroethane	2.405	63	159644	9.393	ppbv	99
25) Ethyl Acetate	2.832	43	419372	8.485	ppbv	99
26) Hexane	2.819	57	162255	8.112	ppbv	99
27) Carbon Disulfide	2.146	76	200806	9.377	ppbv	97
28) Methyl tert-Butyl Ether	2.437	73	114239	8.718	ppbv	92
29) Chloroform	2.842	83	275655	9.751	ppbv	100
30) Cyclohexane	3.848	84	138766	8.583	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	179960	9.464	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	301358	9.469	ppbv	100
34) 2-Butanone	2.554	43	230104	8.628	ppbv	99
35) Carbon Tetrachloride	3.755	117	302298	9.906	ppbv	96
36) Benzene	3.648	78	329117	9.049	ppbv	94
37) 1,2-Dichloroethane	3.214	62	232279	10.641	ppbv	97
38) Trichloroethene	4.541	130	131178	8.252	ppbv	93
39) 1,2-Dichloropropane	4.308	63	119692	8.831	ppbv	93
40) 1,4-Dioxane	4.577	88	59666	8.010	ppbv #	91
41) Tetrahydrofuran	3.049	42	131046	8.428	ppbv	98
42) Bromodichloromethane	4.480	83	310553	10.222	ppbv #	99
43) Methyl Methacrylate	4.871	69	136249	8.312	ppbv	97
44) 2,2,4-Trimethylpentane	4.628	57	546967	8.707	ppbv	97
45) t-1,3-Dichloropropene	6.402	75	152930	9.133	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	185557	9.055	ppbv	91
47) 1,1,2-Trichloroethane	6.574	97	130821	9.474	ppbv	95
48) Dibromochloromethane	7.376	129	237927	9.753	ppbv	100
49) Bromoform	9.477	173	196872	9.229	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	342379	7.726	ppbv	98
51) 2-Hexanone	7.428	43	280580	7.060	ppbv #	95
52) Tetrachloroethene	8.218	164	113273	8.058	ppbv	95
53) Toluene	6.923	91	388626	8.904	ppbv	99
54) 1,2-Dibromoethane	7.642	107	181632	9.191	ppbv	92
56) 1,1,1,2-Tetrachloroethane	8.917	131	180122	9.949	ppbv	96
57) Chlorobenzene	8.917	112	294922	9.480	ppbv	97
58) Ethyl Benzene	9.347	91	552423	9.321	ppbv	100
59) m/p-Xylene	9.545	91	907157m	19.000	ppbv	
60) o-Xylene	9.959	91	457491	9.515	ppbv	98
61) Styrene	9.865	104	208517	9.086	ppbv	97
62) Isopropylbenzene	10.535	105	673842	9.546	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.956	83	273641	8.783	ppbv	100
64) n-propylbenzene	10.985	120	164482	9.271	ppbv	98
65) tert-Butylbenzene	11.526	119	612519	9.441	ppbv	95
66) Benzyl Chloride	11.610	91	54781	7.684	ppbv	98
67) sec-Butylbenzene	11.765	105	846457	9.380	ppbv	99
69) p-Isopropyltoluene	11.921	119	722909	9.221	ppbv	97
70) n-Butylbenzene	12.277	91	771835	9.452	ppbv	98
71) 2-Chlorotoluene	10.898	91	532755	9.623	ppbv	96
72) 4-Ethyltoluene	11.121	105	554770	9.438	ppbv	97
73) 1,3,5-Trimethylbenzene	11.199	105	481697	9.283	ppbv	94
74) 1,2,4-Trimethylbenzene	11.532	105	537510	8.869	ppbv #	89
75) 1,3-Dichlorobenzene	11.603	146	284652	9.035	ppbv	98
76) 1,4-Dichlorobenzene	11.668	146	284740	8.992	ppbv	98
77) 1,2-Dichlorobenzene	11.943	146	278619	9.095	ppbv	98
78) Hexachloro-1,3-Butadiene	13.876	225	271569	8.779	ppbv	99
79) Naphthalene	13.510	128	614768	8.482	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	316027	7.651	ppbv	96
81) 1,2,4-Trichlorobenzene	13.435	180	271657	8.729	ppbv	98

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

