

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
 Data File : VL041475.D
 Acq On : 1 Aug 2024 12:49
 Operator : SY/MD
 Sample : P3390-15 0.40 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2024

Quant Time: Aug 02 05:21:49 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Fri Aug 02 03:13:29 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/02/2024
 Supervised By : Mahesh Dadoda 08/03/2024

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

Internal Standards						
1) Bromochloromethane	5.192	49	801807	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2289276	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2087881	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.774 95 1632408 10.160 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	83915	0.608	ppbv	98
3) Chlorodifluoromethane	2.681	51	52787	0.553	ppbv	99
4) Chloromethane	2.816	50	27765	0.547	ppbv	95
5) Vinyl Chloride	2.922	62	25392	0.507	ppbv	94
6) Bromomethane	3.118	94	15138m	0.589	ppbv	
7) Chloroethane	3.202	64	9014	0.522	ppbv	93
8) Dichlorotetrafluoroethane	2.861	85	66166	0.541	ppbv	95
9) Propene	2.697	41	24606	0.561	ppbv	96
10) Heptane	7.578	43	41634	0.423	ppbv	99
11) Trichlorofluoromethane	3.562	101	62020	0.506	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.067	101	47255	0.536	ppbv	97
13) Ethanol	3.272	45	1924m	0.491	ppbv	
14) Bromoethene	3.372	108	16934m	0.492	ppbv	
15) Acetone	3.488	43	52833	0.580	ppbv	91
16) 1,3-Butadiene	2.986	39	21438	0.440	ppbv	84
17) tert-Butyl alcohol	3.893	59	42741m	0.514	ppbv	
18) 1,1-Dichloroethene	3.883	96	19132	0.507	ppbv	94
19) Isopropyl Alcohol	3.597	45	29297m	0.550	ppbv	
20) Methylene Chloride	3.935	84	18404	0.542	ppbv	88
21) Allyl Chloride	3.999	41	27259m	0.456	ppbv	
22) trans-1,2-Dichloroethene	4.452	96	18624m	0.494	ppbv	
23) Vinyl Acetate	4.639	43	33388m	0.480	ppbv	
24) 1,1-Dichloroethane	4.568	63	42920m	0.524	ppbv	
25) Ethyl Acetate	5.214	43	77322	0.427	ppbv	97
26) Hexane	5.211	57	33204m	0.442	ppbv	
27) Carbon Disulfide	4.131	76	32161m	0.366	ppbv	
28) Methyl tert-Butyl Ether	4.597	73	22971	0.485	ppbv	97
29) Chloroform	5.275	83	62398m	0.510	ppbv	
30) Cyclohexane	6.600	84	28506m	0.466	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	31989	0.431	ppbv	95
32) 1,1,1-Trichloroethane	6.002	97	54216	0.455	ppbv	95
34) 2-Butanone	4.800	43	47027	0.425	ppbv	100
35) Carbon Tetrachloride	6.491	117	55107m	0.436	ppbv	
36) Benzene	6.369	78	67043	0.401	ppbv	97
37) 1,2-Dichloroethane	5.803	62	43128	0.461	ppbv	97
38) Trichloroethene	7.288	130	32438	0.423	ppbv	88
39) 1,2-Dichloropropane	7.073	63	28639	0.447	ppbv	# 86
40) 1,4-Dioxane	7.320	88	12165m	0.473	ppbv	
41) Tetrahydrofuran	5.584	42	24818m	0.392	ppbv	
42) Bromodichloromethane	7.246	83	53623	0.397	ppbv	# 98
43) Methyl Methacrylate	7.478	69	21885m	0.365	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	118265	0.423	ppbv	# 91
45) t-1,3-Dichloropropene	8.713	75	16043m	0.291	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	25273	0.317	ppbv #	94
47) 1,1,2-Trichloroethane	8.896	97	33003	0.468	ppbv	91
48) Dibromochloromethane	9.706	129	43018m	0.378	ppbv	
49) Bromoform	12.404	173	32727m	0.341	ppbv	
50) 4-Methyl-2-Pentanone	8.205	43	66814m	0.382	ppbv	
51) 2-Hexanone	9.587	43	47514m	0.360	ppbv	
52) Tetrachloroethene	10.616	164	26885m	0.416	ppbv	
53) Toluene	9.221	91	66443	0.357	ppbv	98
54) 1,2-Dibromoethane	10.005	107	41874m	0.446	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.510	131	38661	0.477	ppbv #	1
57) Chlorobenzene	11.523	112	71864	0.483	ppbv	96
58) Ethyl Benzene	12.089	91	86265	0.358	ppbv	94
59) m/p-Xylene	12.368	91	164913m	0.794	ppbv	
60) o-Xylene	13.060	91	77407	0.394	ppbv	96
61) Styrene	12.902	104	28616m	0.323	ppbv	
62) Isopropylbenzene	14.031	105	126602	0.424	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.050	83	66073m	0.532	ppbv	
64) n-propylbenzene	14.912	120	29725m	0.381	ppbv	
65) tert-Butylbenzene	16.085	119	102564	0.380	ppbv	92
66) Benzyl Chloride	16.333	91	7173m	0.414	ppbv	
67) sec-Butylbenzene	16.638	105	150159	0.404	ppbv	98
69) p-Isopropyltoluene	16.998	119	114568m	0.371	ppbv	
70) n-Butylbenzene	17.896	91	119592m	0.378	ppbv	
71) 2-Chlorotoluene	14.799	91	88416m	0.401	ppbv	
72) 4-Ethyltoluene	15.198	105	86575m	0.374	ppbv	
73) 1,3,5-Trimethylbenzene	15.355	105	76268m	0.383	ppbv	
74) 1,2,4-Trimethylbenzene	16.108	105	92215	0.398	ppbv	95
75) 1,3-Dichlorobenzene	16.333	146	66243m	0.455	ppbv	
76) 1,4-Dichlorobenzene	16.471	146	66258m	0.470	ppbv	
77) 1,2-Dichlorobenzene	17.146	146	66036m	0.457	ppbv	
78) Hexachloro-1,3-Butadiene	22.628	225	64520m	0.524	ppbv	
79) Naphthalene	21.397	128	63524m	0.311	ppbv	
80) Naphthalene,2-methyl-	24.378	142	34041m	0.199	ppbv	
81) 1,2,4-Trichlorobenzene	21.146	180	45116m	0.371	ppbv	

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

