

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073124\
 Data File : VL041460.D
 Acq On : 31 Jul 2024 12:54
 Operator : SY/MD
 Sample : P3390-13 0.1 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2024

Quant Time: Aug 01 03:55:06 2024

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 01 03:55:06 2024

QLast Update : Thu Aug 01 02:36:30 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/01/2024
 Supervised By : Mahesh Dadoda 08/01/2024

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

Internal Standards						
1) Bromochloromethane	5.198	49	949925	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2621215	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2410441	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1865704	10.058	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	18581	0.114	ppbv	98
3) Chlorodifluoromethane	2.684	51	12643	0.112	ppbv	94
4) Chloromethane	2.822	50	7368	0.123	ppbv	89
5) Vinyl Chloride	2.928	62	5762m	0.097	ppbv	
6) Bromomethane	3.131	94	3445m	0.113	ppbv	
7) Chloroethane	3.205	64	2133	0.104	ppbv	97
8) Dichlorotetrafluoroethane	2.867	85	15197	0.105	ppbv	98
9) Propene	2.706	41	8692	0.167	ppbv	94
10) Heptane	7.594	43	7186m	0.062	ppbv	
11) Trichlorofluoromethane	3.571	101	14133m	0.097	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.073	101	10157m	0.097	ppbv	
13) Ethanol	3.276	45	1270m	0.274	ppbv	
14) Bromoethene	3.375	108	3572	0.088	ppbv #	79
15) Acetone	3.501	43	20899	0.194	ppbv #	85
16) 1,3-Butadiene	2.996	39	5701	0.099	ppbv	84
17) tert-Butyl alcohol	3.919	59	11404m	0.116	ppbv	
18) 1,1-Dichloroethene	3.886	96	4506m	0.101	ppbv	
19) Isopropyl Alcohol	3.610	45	7348m	0.116	ppbv	
20) Methylene Chloride	3.944	84	9237m	0.230	ppbv	
21) Allyl Chloride	4.009	41	7236m	0.102	ppbv	
22) trans-1,2-Dichloroethene	4.452	96	4158	0.093	ppbv #	70
23) Vinyl Acetate	4.649	43	7868m	0.095	ppbv	
24) 1,1-Dichloroethane	4.571	63	10079m	0.104	ppbv	
25) Ethyl Acetate	5.221	43	17626m	0.082	ppbv	
26) Hexane	5.214	57	7542m	0.085	ppbv	
27) Carbon Disulfide	4.131	76	6242	0.060	ppbv #	44
28) Methyl tert-Butyl Ether	4.623	73	5878m	0.105	ppbv	
29) Chloroform	5.282	83	15861m	0.109	ppbv	
30) Cyclohexane	6.607	84	4957m	0.068	ppbv	
31) cis-1,2-Dichloroethene	5.086	61	7278	0.083	ppbv	94
32) 1,1,1-Trichloroethane	6.015	97	12070m	0.085	ppbv	
34) 2-Butanone	4.813	43	10527m	0.083	ppbv	
35) Carbon Tetrachloride	6.501	117	12087m	0.084	ppbv	
36) Benzene	6.375	78	14708m	0.077	ppbv	
37) 1,2-Dichloroethane	5.812	62	9526m	0.089	ppbv	
38) Trichloroethene	7.298	130	7351	0.084	ppbv #	83
39) 1,2-Dichloropropane	7.076	63	6379m	0.087	ppbv	
40) 1,4-Dioxane	7.346	88	2249m	0.076	ppbv	
41) Tetrahydrofuran	5.607	42	5944m	0.082	ppbv	
42) Bromodichloromethane	7.256	83	10439m	0.067	ppbv	
43) Methyl Methacrylate	7.491	69	3486m	0.051	ppbv	
44) 2,2,4-Trimethylpentane	7.333	57	23214	0.073	ppbv #	81
45) t-1,3-Dichloropropene	8.716	75	3441m	0.054	ppbv	

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46) cis-1,3-Dichloropropene	8.144	75	5916m	0.065	ppbv	
47) 1,1,2-Trichloroethane	8.909	97	8026m	0.099	ppbv	
48) Dibromochloromethane	9.719	129	7478m	0.057	ppbv	
49) Bromoform	12.417	173	6869m	0.062	ppbv	
50) 4-Methyl-2-Pentanone	8.221	43	13429m	0.067	ppbv	
51) 2-Hexanone	9.603	43	7846m	0.052	ppbv	
52) Tetrachloroethene	10.619	164	6945m	0.094	ppbv	
53) Toluene	9.227	91	11712	0.055	ppbv	93
54) 1,2-Dibromoethane	10.015	107	8386m	0.078	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.523	131	8013m	0.086	ppbv	
57) Chlorobenzene	11.529	112	16262m	0.095	ppbv	
58) Ethyl Benzene	12.095	91	17694m	0.064	ppbv	
59) m/p-Xylene	12.365	91	27461m	0.114	ppbv	
60) o-Xylene	13.066	91	10528m	0.046	ppbv	
61) Styrene	12.909	104	5319m	0.052	ppbv	
62) Isopropylbenzene	14.034	105	24042	0.070	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.063	83	12999m	0.091	ppbv	
64) n-propylbenzene	14.928	120	5471m	0.061	ppbv	
65) tert-Butylbenzene	16.098	119	15429m	0.050	ppbv	
66) Benzyl Chloride	16.368	91	1401m	0.070	ppbv	
67) sec-Butylbenzene	16.645	105	24252m	0.057	ppbv	
69) p-Isopropyltoluene	17.002	119	18813m	0.053	ppbv	
70) n-Butylbenzene	17.892	91	18075m	0.050	ppbv	
71) 2-Chlorotoluene	14.812	91	14196m	0.056	ppbv	
72) 4-Ethyltoluene	15.204	105	14850m	0.056	ppbv	
73) 1,3,5-Trimethylbenzene	15.368	105	12025m	0.052	ppbv	
74) 1,2,4-Trimethylbenzene	16.121	105	13197m	0.049	ppbv	
75) 1,3-Dichlorobenzene	16.346	146	13337m	0.079	ppbv	
76) 1,4-Dichlorobenzene	16.487	146	12787m	0.079	ppbv	
77) 1,2-Dichlorobenzene	17.163	146	12022m	0.072	ppbv	
78) Hexachloro-1,3-Butadiene	22.632	225	15325m	0.108	ppbv	
79) Naphthalene	21.413	128	10625m	0.045	ppbv	
81) 1,2,4-Trichlorobenzene	21.159	180	6914m	0.049	ppbv	

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

Manual Integrations APPROVED

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