

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073124\
 Data File : VL041458.D
 Acq On : 31 Jul 2024 11:34
 Operator : SY/MD
 Sample : P3390-13 0.45 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 03:53:37 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 03:53:37 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	5.195	49	986873	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2721624	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2523121	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1949146	10.038	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.732	85	93459	0.550	ppbv	94
3) Chlorodifluoromethane	2.677	51	59608	0.507	ppbv	99
4) Chloromethane	2.816	50	30841	0.494	ppbv	99
5) Vinyl Chloride	2.925	62	28033	0.455	ppbv	95
6) Bromomethane	3.124	94	15388	0.486	ppbv	87
7) Chloroethane	3.201	64	10651	0.501	ppbv	# 88
8) Dichlorotetrafluoroethane	2.861	85	75690	0.503	ppbv	99
9) Propene	2.700	41	25538	0.473	ppbv	98
10) Heptane	7.581	43	49332	0.407	ppbv	98
11) Trichlorofluoromethane	3.562	101	72646	0.482	ppbv	84
12) 1,1,2-Trichlorotrifluo...	4.066	101	53344	0.491	ppbv	96
13) Ethanol	3.272	45	2327m	0.482	ppbv	
14) Bromoethene	3.365	108	18778	0.444	ppbv	# 88
15) Acetone	3.488	43	52604	0.469	ppbv	# 86
16) 1,3-Butadiene	2.989	39	23673	0.395	ppbv	84
17) tert-Butyl alcohol	3.896	59	47454	0.464	ppbv	99
18) 1,1-Dichloroethene	3.883	96	22873	0.492	ppbv	87
19) Isopropyl Alcohol	3.600	45	27219	0.415	ppbv	# 90
20) Methylene Chloride	3.938	84	22148	0.530	ppbv	92
21) Allyl Chloride	3.999	41	30203	0.411	ppbv	# 78
22) trans-1,2-Dichloroethene	4.449	96	20854	0.449	ppbv	91
23) Vinyl Acetate	4.642	43	38285	0.447	ppbv	# 93
24) 1,1-Dichloroethane	4.565	63	47217	0.468	ppbv	99
25) Ethyl Acetate	5.214	43	94231	0.423	ppbv	# 96
26) Hexane	5.214	57	40760	0.441	ppbv	92
27) Carbon Disulfide	4.131	76	38168	0.353	ppbv	# 68
28) Methyl tert-Butyl Ether	4.600	73	27377	0.470	ppbv	96
29) Chloroform	5.275	83	68853	0.457	ppbv	97
30) Cyclohexane	6.603	84	29567m	0.393	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	35858m	0.393	ppbv	
32) 1,1,1-Trichloroethane	6.002	97	63319	0.432	ppbv	96
34) 2-Butanone	4.803	43	52227	0.397	ppbv	94
35) Carbon Tetrachloride	6.500	117	64220	0.428	ppbv	# 91
36) Benzene	6.369	78	85020	0.428	ppbv	96
37) 1,2-Dichloroethane	5.806	62	52421	0.471	ppbv	97
38) Trichloroethene	7.291	130	39389	0.432	ppbv	92
39) 1,2-Dichloropropane	7.076	63	34804m	0.457	ppbv	
40) 1,4-Dioxane	7.327	88	10661m	0.349	ppbv	
41) Tetrahydrofuran	5.581	42	27056	0.359	ppbv	# 91
42) Bromodichloromethane	7.253	83	63452	0.395	ppbv	95
43) Methyl Methacrylate	7.487	69	26491m	0.371	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	141936	0.427	ppbv	93
45) t-1,3-Dichloropropene	8.719	75	20542m	0.313	ppbv	

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

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

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	31513m	0.332	ppbv	
47) 1,1,2-Trichloroethane	8.896	97	37068	0.442	ppbv	90
48) Dibromochloromethane	9.716	129	48073m	0.356	ppbv	
49) Bromoform	12.417	173	36653m	0.321	ppbv	
50) 4-Methyl-2-Pentanone	8.204	43	76216	0.367	ppbv	98
51) 2-Hexanone	9.574	43	54231m	0.345	ppbv	
52) Tetrachloroethene	10.619	164	32731m	0.426	ppbv	
53) Toluene	9.230	91	77996m	0.352	ppbv	
54) 1,2-Dibromoethane	10.011	107	46986	0.421	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.507	131	44155m	0.451	ppbv	
57) Chlorobenzene	11.532	112	86946m	0.484	ppbv	
58) Ethyl Benzene	12.092	91	111881	0.385	ppbv #	87
59) m/p-Xylene	12.372	91	202232m	0.806	ppbv	
60) o-Xylene	13.063	91	90339	0.380	ppbv	99
61) Styrene	12.896	104	31023	0.290	ppbv	89
62) Isopropylbenzene	14.034	105	152382	0.422	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.053	83	70747	0.472	ppbv	95
64) n-propylbenzene	14.918	120	37447	0.397	ppbv	74
65) tert-Butylbenzene	16.092	119	130125m	0.399	ppbv	
66) Benzyl Chloride	16.326	91	6285m	0.300	ppbv	
67) sec-Butylbenzene	16.641	105	187315	0.417	ppbv	100
69) p-Isopropyltoluene	17.002	119	138358	0.371	ppbv	95
70) n-Butylbenzene	17.899	91	152186	0.398	ppbv	96
71) 2-Chlorotoluene	14.806	91	109829	0.413	ppbv	100
72) 4-Ethyltoluene	15.195	105	101829	0.364	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.355	105	93690	0.389	ppbv	94
74) 1,2,4-Trimethylbenzene	16.114	105	113505	0.405	ppbv #	94
75) 1,3-Dichlorobenzene	16.333	146	75706m	0.430	ppbv	
76) 1,4-Dichlorobenzene	16.477	146	67894	0.398	ppbv	85
77) 1,2-Dichlorobenzene	17.153	146	73583m	0.422	ppbv	
78) Hexachloro-1,3-Butadiene	22.628	225	72783m	0.489	ppbv	
79) Naphthalene	21.403	128	79028m	0.320	ppbv	
80) Naphthalene,2-methyl-	24.377	142	40754m	0.197	ppbv	
81) 1,2,4-Trichlorobenzene	21.146	180	50104m	0.341	ppbv	

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

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