

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041732.D
 Acq On : 11 Dec 2024 21:34
 Operator : SY/MD
 Sample : P4368-13 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2024

Quant Time: Dec 12 06:01:30 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M

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

QLast Update : Thu Dec 12 05:50:25 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/13/2024
 Supervised By :Semsettin Yesilyurt 12/13/2024

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

Internal Standards						
1) Bromochloromethane	2.793	49	263665	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	1303460	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	1150616	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	753530	9.962	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	28638	0.619	ppbv	100
3) Chlorodifluoromethane	1.476	51	15409	0.429	ppbv	94
4) Chloromethane	1.534	50	7303	0.595	ppbv	99
5) Vinyl Chloride	1.583	62	8564	0.569	ppbv	97
6) Bromomethane	1.670	94	6048	0.613	ppbv	89
7) Chloroethane	1.706	64	3732	0.570	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	24833	0.658	ppbv	93
9) Propene	1.486	41	7784	0.509	ppbv	87
10) Heptane	4.991	43	18330	0.433	ppbv	99
11) Trichlorofluoromethane	1.881	101	29834	0.560	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.146	101	25867	0.539	ppbv	95
13) Ethanol	1.722	45	853	0.674	ppbv	83
14) Bromoethene	1.787	108	10781	0.613	ppbv	95
15) Acetone	1.839	43	21328	0.701	ppbv	92
16) 1,3-Butadiene	1.612	39	6295	0.616	ppbv	98
17) tert-Butyl alcohol	2.043	59	22337	0.506	ppbv #	93
18) 1,1-Dichloroethene	2.725	96	14985	0.420	ppbv	95
19) Isopropyl Alcohol	1.887	45	24919	0.862	ppbv #	30
20) Methylene Chloride	2.065	84	12252	0.664	ppbv	97
21) Allyl Chloride	2.101	41	8700	0.508	ppbv	96
22) trans-1,2-Dichloroethene	2.039	96	12356	0.567	ppbv	86
23) Vinyl Acetate	2.467	43	6213m	0.337	ppbv	
24) 1,1-Dichloroethane	2.412	63	18288	0.533	ppbv	98
25) Ethyl Acetate	4.991	43	18330	0.433	ppbv #	98
26) Hexane	2.836	57	17906	0.436	ppbv	97
27) Carbon Disulfide	2.156	76	18958	0.449	ppbv #	81
28) Methyl tert-Butyl Ether	2.444	73	15293	0.497	ppbv	96
29) Chloroform	2.852	83	26941	0.429	ppbv	92
30) Cyclohexane	3.871	84	19865m	0.431	ppbv	
31) cis-1,2-Dichloroethene	2.039	61	15334	0.514	ppbv	85
32) 1,1,1-Trichloroethane	3.376	97	24248	0.393	ppbv	98
34) 2-Butanone	2.560	43	19485	0.427	ppbv	97
35) Carbon Tetrachloride	3.774	117	23192	0.382	ppbv	98
36) Benzene	3.664	78	45305	0.442	ppbv	99
37) 1,2-Dichloroethane	3.224	62	16101	0.435	ppbv	100
38) Trichloroethene	4.557	130	22916	0.431	ppbv	90
39) 1,2-Dichloropropane	4.328	63	14297	0.438	ppbv	88
40) 1,4-Dioxane	4.612	88	8082	0.410	ppbv #	41
41) Tetrahydrofuran	3.069	42	11434	0.416	ppbv	96
42) Bromodichloromethane	4.493	83	20930	0.350	ppbv	97
43) Methyl Methacrylate	4.894	69	14613	0.396	ppbv	98
44) 2,2,4-Trimethylpentane	4.655	57	62401	0.437	ppbv	99
45) t-1,3-Dichloropropene	5.613	75	17445	0.365	ppbv	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	6.431	75	12350m	0.343	ppbv	
47) 1,1,2-Trichloroethane	6.593	97	17164	0.395	ppbv	95
48) Dibromochloromethane	7.399	129	19035	0.304	ppbv	98
49) Bromoform	9.493	173	16901	0.282	ppbv	97
50) 4-Methyl-2-Pentanone	5.781	43	26100	0.399	ppbv	97
51) 2-Hexanone	7.457	43	20977	0.390	ppbv #	99
52) Tetrachloroethene	8.237	164	22345	0.412	ppbv	97
53) Toluene	6.943	91	52732	0.419	ppbv	98
54) 1,2-Dibromoethane	7.668	107	23742	0.399	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.937	131	20069	0.375	ppbv #	1
57) Chlorobenzene	8.933	112	45707	0.437	ppbv	97
58) Ethyl Benzene	9.367	91	64390	0.418	ppbv	96
59) m/p-Xylene	9.561	91	98252m	0.833	ppbv	
60) o-Xylene	9.972	91	48141	0.412	ppbv	98
61) Styrene	9.878	104	23610	0.366	ppbv	98
62) Isopropylbenzene	10.548	105	81179	0.421	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.976	83	29902	0.395	ppbv	98
64) n-propylbenzene	10.998	120	22827	0.402	ppbv	87
65) tert-Butylbenzene	11.542	119	76722	0.419	ppbv	97
66) Benzyl Chloride	10.911	91	55416	0.422	ppbv	98
67) sec-Butylbenzene	11.778	105	100712	0.425	ppbv	96
69) p-Isopropyltoluene	11.937	119	81076	0.397	ppbv	98
70) n-Butylbenzene	12.293	91	67085	0.396	ppbv	96
71) 2-Chlorotoluene	10.911	91	55416	0.422	ppbv	98
72) 4-Ethyltoluene	11.134	105	61757	0.409	ppbv	97
73) 1,3,5-Trimethylbenzene	11.215	105	48362	0.396	ppbv	98
74) 1,2,4-Trimethylbenzene	11.545	105	50936	0.383	ppbv #	90
75) 1,3-Dichlorobenzene	11.617	146	45085	0.425	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	44696	0.426	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	43709	0.435	ppbv	97
78) Hexachloro-1,3-Butadiene	13.895	225	34927	0.423	ppbv	99
79) Naphthalene	13.523	128	41577	0.366	ppbv	99
80) Naphthalene,2-methyl-	14.471	142	6240	0.152	ppbv	98
81) 1,2,4-Trichlorobenzene	13.452	180	27121	0.379	ppbv	98

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

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