

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041015.D
 Acq On : 24 Jan 2024 14:30
 Operator : SY/MD
 Sample : P1187-13 LOD 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2024

Quant Time: Jan 25 03:18:48 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Thu Jan 25 03:13:06 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 01/25/2024
 Supervised By : Semsettin Yesilyurt 01/25/2024

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

Internal Standards						
1) Bromochloromethane	5.163	49	1049279	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.623	114	2731603	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.433	117	2365007	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	1793482	10.040	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.703	85	113621	0.490	ppbv	94
3) Chlorodifluoromethane	2.652	51	86545	0.490	ppbv	98
4) Chloromethane	2.787	50	30677	0.464	ppbv #	87
5) Vinyl Chloride	2.899	62	30137	0.465	ppbv	97
6) Bromomethane	3.092	94	14052	0.498	ppbv	93
7) Chloroethane	3.173	64	10681m	0.457	ppbv	
8) Dichlorotetrafluoroethane	2.832	85	85922	0.496	ppbv	95
9) Propene	2.668	41	27733	0.479	ppbv	98
10) Heptane	7.549	43	55432m	0.389	ppbv	
11) Trichlorofluoromethane	3.536	101	88688	0.475	ppbv	88
12) 1,1,2-Trichlorotrifluo...	4.034	101	64082m	0.473	ppbv	
13) Ethanol	3.243	45	8572	0.621	ppbv	97
14) Bromoethene	3.337	108	21960m	0.423	ppbv	
15) Acetone	3.459	43	71830	0.535	ppbv	95
16) 1,3-Butadiene	2.957	39	29844m	0.465	ppbv	
17) tert-Butyl alcohol	3.867	59	55318	0.503	ppbv	99
18) 1,1-Dichloroethene	3.854	96	26047	0.450	ppbv	93
19) Isopropyl Alcohol	3.565	45	35592	0.458	ppbv #	85
20) Methylene Chloride	3.906	84	28489	0.552	ppbv #	73
21) Allyl Chloride	3.973	41	36674	0.450	ppbv	97
22) trans-1,2-Dichloroethene	4.414	96	24966	0.418	ppbv	96
23) Vinyl Acetate	4.610	43	51415	0.372	ppbv #	91
24) 1,1-Dichloroethane	4.529	63	58830m	0.479	ppbv	
25) Ethyl Acetate	5.185	43	106035	0.436	ppbv	98
26) Hexane	5.189	57	48477m	0.467	ppbv	
27) Carbon Disulfide	4.099	76	55161	0.409	ppbv #	82
28) Methyl tert-Butyl Ether	4.568	73	36457	0.424	ppbv #	87
29) Chloroform	5.240	83	91001	0.495	ppbv	91
30) Cyclohexane	6.561	84	34440m	0.396	ppbv	
31) cis-1,2-Dichloroethene	5.050	61	46464	0.477	ppbv	90
32) 1,1,1-Trichloroethane	5.970	97	81092	0.461	ppbv	97
34) 2-Butanone	4.774	43	56305	0.433	ppbv #	90
35) Carbon Tetrachloride	6.465	117	82464	0.453	ppbv	90
36) Benzene	6.340	78	100453	0.445	ppbv #	94
37) 1,2-Dichloroethane	5.777	62	58918	0.428	ppbv	99
38) Trichloroethene	7.262	130	34724	0.384	ppbv	95
39) 1,2-Dichloropropane	7.044	63	35111	0.395	ppbv #	76
40) 1,4-Dioxane	7.288	88	15106m	0.409	ppbv	
41) Tetrahydrofuran	5.555	42	31350m	0.355	ppbv	
42) Bromodichloromethane	7.217	83	81649	0.414	ppbv	93
43) Methyl Methacrylate	7.449	69	29247m	0.336	ppbv	
44) 2,2,4-Trimethylpentane	7.291	57	159471	0.420	ppbv	94
45) t-1,3-Dichloropropene	8.680	75	16898m	0.284	ppbv	

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46) cis-1,3-Dichloropropene	8.114	75	23663	0.319	ppbv #	82
47) 1,1,2-Trichloroethane	8.867	97	36785m	0.384	ppbv	
48) Dibromochloromethane	9.671	129	63945	0.395	ppbv	97
49) Bromoform	12.375	173	48046	0.378	ppbv	97
50) 4-Methyl-2-Pentanone	8.172	43	76346	0.333	ppbv	93
51) 2-Hexanone	9.549	43	48890m	0.296	ppbv	
52) Tetrachloroethene	10.581	164	32031	0.428	ppbv	89
53) Toluene	9.188	91	93547	0.379	ppbv	96
54) 1,2-Dibromoethane	9.973	107	53961	0.416	ppbv #	80
56) 1,1,1,2-Tetrachloroethane	11.478	131	50459m	0.445	ppbv	
57) Chlorobenzene	11.487	112	90132	0.474	ppbv	88
58) Ethyl Benzene	12.053	91	126207m	0.397	ppbv	
59) m/p-Xylene	12.336	91	230093m	0.831	ppbv	
60) o-Xylene	13.027	91	105218m	0.396	ppbv	
61) Styrene	12.867	104	39741m	0.326	ppbv	
62) Isopropylbenzene	13.995	105	168987m	0.430	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.018	83	90411	0.438	ppbv	93
64) n-propylbenzene	14.883	120	39364	0.397	ppbv	75
65) tert-Butylbenzene	16.056	119	138732	0.404	ppbv	90
66) Benzyl Chloride	16.304	91	7983m	0.355	ppbv	
67) sec-Butylbenzene	16.603	105	199921	0.400	ppbv	98
69) p-Isopropyltoluene	16.966	119	155849	0.403	ppbv	95
70) n-Butylbenzene	17.854	91	158360	0.379	ppbv	95
71) 2-Chlorotoluene	14.767	91	121723	0.402	ppbv	99
72) 4-Ethyltoluene	15.162	105	110236	0.372	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.320	105	105447m	0.400	ppbv	
74) 1,2,4-Trimethylbenzene	16.072	105	125307	0.420	ppbv	98
75) 1,3-Dichlorobenzene	16.294	146	68398m	0.403	ppbv	
76) 1,4-Dichlorobenzene	16.439	146	71388m	0.426	ppbv	
77) 1,2-Dichlorobenzene	17.111	146	74379m	0.440	ppbv	
78) Hexachloro-1,3-Butadiene	22.587	225	52507m	0.482	ppbv	
79) Naphthalene	21.355	128	49482m	0.291	ppbv	
80) Naphthalene,2-methyl-	24.529	142	6911m	0.231	ppbv	
81) 1,2,4-Trichlorobenzene	21.117	180	31727m	0.319	ppbv	

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

