

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041402.D
 Acq On : 25 Jul 2024 16:00
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jul 26 02:43:55 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 : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/26/2024
 Supervised By : Mahesh Dadoda 07/29/2024

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

Internal Standards						
1) Bromochloromethane	5.179	49	1198045	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3329007	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3110236	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2394911 10.274 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.709	85	121223	0.593	ppbv	98
3) Chlorodifluoromethane	2.652	51	76485	0.370	ppbv	99
4) Chloromethane	2.793	50	38283	0.485	ppbv	89
5) Vinyl Chloride	2.899	62	35294	0.414	ppbv #	86
6) Bromomethane	3.099	94	18597	0.689	ppbv	95
7) Chloroethane	3.176	64	12829m	0.455	ppbv	
8) Dichlorotetrafluoroethane	2.835	85	96423	0.485	ppbv	96
9) Propene	2.674	41	35545	0.497	ppbv	96
10) Heptane	7.568	43	66812	0.398	ppbv	93
11) Trichlorofluoromethane	3.542	101	92339	0.464	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.053	101	67197	0.482	ppbv	97
13) Ethanol	3.246	45	2992m	0.189	ppbv	
14) Bromoethene	3.349	108	22722	0.406	ppbv #	76
15) Acetone	3.465	43	74008	0.468	ppbv	97
16) 1,3-Butadiene	2.963	39	33970	0.451	ppbv	91
17) tert-Butyl alcohol	3.877	59	58214	0.477	ppbv	96
18) 1,1-Dichloroethene	3.864	96	28949	0.472	ppbv	85
19) Isopropyl Alcohol	3.574	45	34137	0.393	ppbv #	95
20) Methylene Chloride	3.915	84	27679	0.482	ppbv	92
21) Allyl Chloride	3.979	41	40810	0.428	ppbv	90
22) trans-1,2-Dichloroethene	4.426	96	24938m	0.410	ppbv	
23) Vinyl Acetate	4.616	43	48820	0.313	ppbv #	85
24) 1,1-Dichloroethane	4.549	63	58174	0.430	ppbv	99
25) Ethyl Acetate	5.198	43	126562	0.434	ppbv #	96
26) Hexane	5.201	57	55917	0.433	ppbv	92
27) Carbon Disulfide	4.108	76	58281	0.371	ppbv #	89
28) Methyl tert-Butyl Ether	4.581	73	35181	0.368	ppbv	99
29) Chloroform	5.253	83	97821m	0.491	ppbv	
30) Cyclohexane	6.587	84	39310m	0.382	ppbv	
31) cis-1,2-Dichloroethene	5.066	61	54702	0.442	ppbv	92
32) 1,1,1-Trichloroethane	5.986	97	84630	0.405	ppbv	97
34) 2-Butanone	4.787	43	77880m	0.443	ppbv	
35) Carbon Tetrachloride	6.484	117	86673	0.394	ppbv	96
36) Benzene	6.356	78	118364	0.430	ppbv	96
37) 1,2-Dichloroethane	5.790	62	66696	0.422	ppbv	100
38) Trichloroethene	7.282	130	52860	0.440	ppbv	96
39) 1,2-Dichloropropane	7.066	63	46980m	0.441	ppbv	
40) 1,4-Dioxane	7.314	88	13441m	0.394	ppbv	
41) Tetrahydrofuran	5.565	42	40992m	0.377	ppbv	
42) Bromodichloromethane	7.240	83	93679	0.424	ppbv	90
43) Methyl Methacrylate	7.471	69	37179	0.359	ppbv	90
44) 2,2,4-Trimethylpentane	7.314	57	193929	0.414	ppbv	95
45) t-1,3-Dichloropropene	8.703	75	28863m	0.441	ppbv	

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

QLast Update : Thu Jul 25 14:31:18 2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.130	75	48144	0.547	ppbv	87
47) 1,1,2-Trichloroethane	8.889	97	50007	0.438	ppbv	92
48) Dibromochloromethane	9.700	129	71709	0.391	ppbv	96
49) Bromoform	12.397	173	57665m	0.395	ppbv	
50) 4-Methyl-2-Pentanone	8.188	43	114983m	0.408	ppbv	
51) 2-Hexanone	9.568	43	77238	0.385	ppbv #	98
52) Tetrachloroethene	10.606	164	45907	0.415	ppbv	96
53) Toluene	9.211	91	122877m	0.395	ppbv	
54) 1,2-Dibromoethane	10.008	107	67181m	0.475	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.500	131	61024m	0.436	ppbv	
57) Chlorobenzene	11.523	112	117500m	0.482	ppbv	
58) Ethyl Benzene	12.085	91	170346	0.409	ppbv	90
59) m/p-Xylene	12.371	91	295276m	0.820	ppbv	
60) o-Xylene	13.050	91	143197m	0.421	ppbv	
61) Styrene	12.892	104	54180	0.328	ppbv	97
62) Isopropylbenzene	14.024	105	214544	0.409	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.043	83	97191m	0.363	ppbv	
64) n-propylbenzene	14.912	120	54530m	0.398	ppbv	
65) tert-Butylbenzene	16.088	119	190258	0.407	ppbv	96
66) Benzyl Chloride	16.342	91	10321m	0.336	ppbv	
67) sec-Butylbenzene	16.629	105	262560m	0.397	ppbv	
69) p-Isopropyltoluene	16.992	119	215940	0.396	ppbv	98
70) n-Butylbenzene	17.886	91	212575	0.381	ppbv	99
71) 2-Chlorotoluene	14.799	91	161067	0.413	ppbv	99
72) 4-Ethyltoluene	15.191	105	149868	0.370	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.352	105	140429m	0.405	ppbv	
74) 1,2,4-Trimethylbenzene	16.101	105	165986	0.425	ppbv #	90
75) 1,3-Dichlorobenzene	16.333	146	102939m	0.444	ppbv	
76) 1,4-Dichlorobenzene	16.465	146	111185m	0.482	ppbv	
77) 1,2-Dichlorobenzene	17.143	146	104861	0.444	ppbv	96
78) Hexachloro-1,3-Butadiene	22.628	225	102506m	0.597	ppbv	
79) Naphthalene	21.384	128	126192	0.601	ppbv	97
80) Naphthalene,2-methyl-	24.377	142	58719	106.249	ppbv	95
81) 1,2,4-Trichlorobenzene	21.143	180	82930m	0.639	ppbv	

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

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