

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041595.D
 Acq On : 16 Sep 2024 15:16
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Sep 17 02:54:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Sep 17 02:32:57 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/17/2024
 Supervised By : Mahesh Dadoda 09/17/2024

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

Internal Standards						
1) Bromochloromethane	5.173	49	1118199	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3133918	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.446	117	2773784	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	2096257	9.889	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	96698	0.509	ppbv	96
3) Chlorodifluoromethane	2.661	51	72262	0.540	ppbv	99
4) Chloromethane	2.796	50	36222	0.504	ppbv	100
5) Vinyl Chloride	2.906	62	33443	0.477	ppbv	100
6) Bromomethane	3.108	94	15696	0.443	ppbv	89
7) Chloroethane	3.179	64	12213	0.502	ppbv #	84
8) Dichlorotetrafluoroethane	2.841	85	91334	0.533	ppbv	96
9) Propene	2.681	41	29194	0.473	ppbv	88
10) Heptane	7.562	43	52235	0.376	ppbv	87
11) Trichlorofluoromethane	3.546	101	87563	0.509	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.050	101	62154	0.502	ppbv	98
13) Ethanol	3.263	45	2055m	0.398	ppbv	
14) Bromoethene	3.353	108	23214	0.482	ppbv #	91
15) Acetone	3.465	43	67617	0.529	ppbv	99
16) 1,3-Butadiene	2.970	39	30037	0.439	ppbv	91
17) tert-Butyl alcohol	3.880	59	55097	0.472	ppbv	96
18) 1,1-Dichloroethene	3.861	96	28134	0.530	ppbv	86
19) Isopropyl Alcohol	3.581	45	31089	0.421	ppbv #	86
20) Methylene Chloride	3.915	84	28746	0.602	ppbv	92
21) Allyl Chloride	3.980	41	40695	0.487	ppbv	93
22) trans-1,2-Dichloroethene	4.427	96	25914m	0.490	ppbv	
23) Vinyl Acetate	4.616	43	36408	0.393	ppbv #	90
24) 1,1-Dichloroethane	4.542	63	57781	0.501	ppbv #	94
25) Ethyl Acetate	5.192	43	120195	0.469	ppbv #	97
26) Hexane	5.195	57	47903	0.454	ppbv	90
27) Carbon Disulfide	4.108	76	47050	0.385	ppbv #	81
28) Methyl tert-Butyl Ether	4.581	73	32069	0.485	ppbv	93
29) Chloroform	5.250	83	89470	0.521	ppbv	95
30) Cyclohexane	6.578	84	32343	0.377	ppbv	86
31) cis-1,2-Dichloroethene	5.057	61	44569	0.430	ppbv	92
32) 1,1,1-Trichloroethane	5.980	97	76483	0.458	ppbv	95
34) 2-Butanone	4.780	43	66980	0.441	ppbv	95
35) Carbon Tetrachloride	6.475	117	76200	0.441	ppbv	95
36) Benzene	6.349	78	95200	0.415	ppbv	95
37) 1,2-Dichloroethane	5.787	62	62043	0.483	ppbv	100
38) Trichloroethene	7.272	130	54770	0.509	ppbv	93
39) 1,2-Dichloropropane	7.050	63	43917m	0.498	ppbv	
40) 1,4-Dioxane	7.301	88	12527m	0.356	ppbv	
41) Tetrahydrofuran	5.565	42	33334	0.381	ppbv	98
42) Bromodichloromethane	7.230	83	75502	0.408	ppbv	97
43) Methyl Methacrylate	7.459	69	30713m	0.375	ppbv	
44) 2,2,4-Trimethylpentane	7.304	57	163358m	0.424	ppbv	
45) t-1,3-Dichloropropene	8.700	75	21112m	0.289	ppbv	

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 02:32:57 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.124	75	34329m	0.320	ppbv	
47) 1,1,2-Trichloroethane	8.877	97	44350	0.458	ppbv	94
48) Dibromochloromethane	9.690	129	59804	0.386	ppbv	97
49) Bromoform	12.384	173	45268	0.346	ppbv	98
50) 4-Methyl-2-Pentanone	8.179	43	89344	0.372	ppbv	98
51) 2-Hexanone	9.555	43	63111m	0.350	ppbv	
52) Tetrachloroethene	10.590	164	37541	0.425	ppbv	93
53) Toluene	9.201	91	85184m	0.334	ppbv	
54) 1,2-Dibromoethane	9.983	107	51961	0.408	ppbv #	79
56) 1,1,1,2-Tetrachloroethane	11.487	131	52485	0.486	ppbv #	1
57) Chlorobenzene	11.503	112	103210	0.520	ppbv	92
58) Ethyl Benzene	12.069	91	113783	0.355	ppbv	98
59) m/p-Xylene	12.346	91	227705m	0.822	ppbv	
60) o-Xylene	13.034	91	104742	0.399	ppbv	98
61) Styrene	12.873	104	36028m	0.305	ppbv	
62) Isopropylbenzene	14.011	105	174781	0.439	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.028	83	69215m	0.432	ppbv	
64) n-propylbenzene	14.899	120	42493	0.408	ppbv	81
65) tert-Butylbenzene	16.069	119	142100	0.395	ppbv	89
66) Benzyl Chloride	16.326	91	8767m	0.405	ppbv	
67) sec-Butylbenzene	16.619	105	227312	0.458	ppbv	97
69) p-Isopropyltoluene	16.976	119	159974	0.389	ppbv	95
70) n-Butylbenzene	17.873	91	170488	0.404	ppbv	97
71) 2-Chlorotoluene	14.780	91	116019	0.395	ppbv	100
72) 4-Ethyltoluene	15.172	105	119135	0.386	ppbv	97
73) 1,3,5-Trimethylbenzene	15.330	105	99684	0.375	ppbv	93
74) 1,2,4-Trimethylbenzene	16.089	105	140980	0.456	ppbv	94
75) 1,3-Dichlorobenzene	16.310	146	88268	0.455	ppbv	94
76) 1,4-Dichlorobenzene	16.455	146	91038	0.485	ppbv	96
77) 1,2-Dichlorobenzene	17.124	146	88906	0.463	ppbv	94
78) Hexachloro-1,3-Butadiene	22.609	225	84026m	0.515	ppbv	
79) Naphthalene	21.374	128	82517m	0.309	ppbv	
80) Naphthalene,2-methyl-	24.374	142	27711	0.129	ppbv	91
81) 1,2,4-Trichlorobenzene	21.120	180	53664	0.337	ppbv	93

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

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