

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062624\
 Data File : VL041355.D
 Acq On : 26 Jun 2024 10:53
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2024
 Supervised By :Mahesh Dadoda 06/27/2024

Quant Time: Jun 26 11:28:22 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M

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

QLast Update : Wed Jun 26 10:54:23 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	1086028	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2925160	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2627999	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 1999103 9.852 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.742	85	111443	0.643	ppbv	91
3) Chlorodifluoromethane	2.690	51	101848	0.593	ppbv	99
4) Chloromethane	2.825	50	38560	0.597	ppbv	89
5) Vinyl Chloride	2.931	62	37595	0.578	ppbv	99
6) Bromomethane	3.134	94	12903	0.558	ppbv	87
7) Chloroethane	3.208	64	12625	0.563	ppbv	93
8) Dichlorotetrafluoroethane	2.870	85	99751	0.625	ppbv	100
9) Propene	2.706	41	37019	0.606	ppbv	97
10) Heptane	7.590	43	77688m	0.536	ppbv	
11) Trichlorofluoromethane	3.575	101	96458	0.605	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.076	101	66200	0.588	ppbv	90
13) Ethanol	3.279	45	6610m	0.416	ppbv	
14) Bromoethene	3.382	108	26798	0.588	ppbv #	92
15) Acetone	3.497	43	72262	0.583	ppbv #	83
16) 1,3-Butadiene	2.996	39	33553m	0.538	ppbv	
17) tert-Butyl alcohol	3.912	59	46507	0.407	ppbv	94
18) 1,1-Dichloroethene	3.893	96	29201	0.608	ppbv	97
19) Isopropyl Alcohol	3.616	45	32802	0.421	ppbv #	91
20) Methylene Chloride	3.948	84	29480	0.654	ppbv #	93
21) Allyl Chloride	4.012	41	45374	0.578	ppbv	92
22) trans-1,2-Dichloroethene	4.462	96	28837	0.576	ppbv	93
23) Vinyl Acetate	4.652	43	69424	0.547	ppbv #	93
24) 1,1-Dichloroethane	4.574	63	63872	0.573	ppbv	99
25) Ethyl Acetate	5.227	43	135014	0.550	ppbv	96
26) Hexane	5.227	57	60677	0.550	ppbv	92
27) Carbon Disulfide	4.140	76	68906	0.564	ppbv #	89
28) Methyl tert-Butyl Ether	4.613	73	45430m	0.556	ppbv	
29) Chloroform	5.288	83	96048	0.567	ppbv	84
30) Cyclohexane	6.616	84	44148	0.494	ppbv	91
31) cis-1,2-Dichloroethene	5.092	61	55682	0.534	ppbv	95
32) 1,1,1-Trichloroethane	6.015	97	88404	0.551	ppbv	97
34) 2-Butanone	4.819	43	70980	0.507	ppbv #	89
35) Carbon Tetrachloride	6.504	117	88220	0.531	ppbv	97
36) Benzene	6.385	78	124529	0.549	ppbv	99
37) 1,2-Dichloroethane	5.819	62	71817	0.543	ppbv	99
38) Trichloroethene	7.304	130	46857	0.510	ppbv	94
39) 1,2-Dichloropropane	7.086	63	48936	0.542	ppbv	88
40) 1,4-Dioxane	7.340	88	16309m	0.493	ppbv	
41) Tetrahydrofuran	5.597	42	48672	0.534	ppbv	99
42) Bromodichloromethane	7.259	83	97342	0.513	ppbv	89
43) Methyl Methacrylate	7.500	69	40850	0.473	ppbv	93
44) 2,2,4-Trimethylpentane	7.340	57	211857	0.543	ppbv	98
45) t-1,3-Dichloropropene	8.729	75	22468	0.385	ppbv #	83

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QLast Update : Wed Jun 26 10:54:23 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	35191m	0.469	ppbv	
47) 1,1,2-Trichloroethane	8.915	97	54179m	0.574	ppbv	
48) Dibromochloromethane	9.729	129	76374m	0.491	ppbv	
49) Bromoform	12.417	173	57758m	0.461	ppbv	
50) 4-Methyl-2-Pentanone	8.217	43	115241	0.497	ppbv	93
51) 2-Hexanone	9.594	43	76996m	0.467	ppbv	
52) Tetrachloroethene	10.629	164	46081m	0.557	ppbv	
53) Toluene	9.240	91	131630	0.505	ppbv	99
54) 1,2-Dibromoethane	10.018	107	57822	0.470	ppbv	88
56) 1,1,1,2-Tetrachloroethane	11.523	131	63590	0.572	ppbv #	1
57) Chlorobenzene	11.542	112	113692m	0.582	ppbv	
58) Ethyl Benzene	12.108	91	175734m	0.522	ppbv	
59) m/p-Xylene	12.384	91	314956m	1.091	ppbv	
60) o-Xylene	13.073	91	147983	0.538	ppbv	99
61) Styrene	12.918	104	61732	0.458	ppbv	94
62) Isopropylbenzene	14.044	105	235837	0.567	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.069	83	107483	0.549	ppbv	96
64) n-propylbenzene	14.934	120	61079m	0.570	ppbv	
65) tert-Butylbenzene	16.105	119	204186	0.552	ppbv	96
66) Benzyl Chloride	16.346	91	12484m	0.513	ppbv	
67) sec-Butylbenzene	16.658	105	291750m	0.558	ppbv	
69) p-Isopropyltoluene	17.011	119	233339	0.542	ppbv	98
70) n-Butylbenzene	17.908	91	235533	0.527	ppbv	97
71) 2-Chlorotoluene	14.818	91	169749	0.533	ppbv	97
72) 4-Ethyltoluene	15.211	105	172365m	0.538	ppbv	
73) 1,3,5-Trimethylbenzene	15.371	105	144884m	0.521	ppbv	
74) 1,2,4-Trimethylbenzene	16.121	105	166943	0.531	ppbv #	87
75) 1,3-Dichlorobenzene	16.349	146	97516	0.528	ppbv	92
76) 1,4-Dichlorobenzene	16.487	146	103081m	0.559	ppbv	
77) 1,2-Dichlorobenzene	17.162	146	109185m	0.591	ppbv	
78) Hexachloro-1,3-Butadiene	22.654	225	83741m	0.553	ppbv	
79) Naphthalene	21.416	128	68072m	0.249	ppbv	
81) 1,2,4-Trichlorobenzene	21.169	180	43378m	0.285	ppbv	

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

Manual Integrations

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