

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011623\
 Data File : VL040093.D
 Acq On : 16 Jan 2023 11:35
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023

Quant Time: Jan 16 12:26:21 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

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

QLast Update : Mon Jan 16 11:28:27 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	1071823	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2964839	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2708821	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2240685	10.829	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 108.300%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	216549	1.079	ppbv	100
3) Chlorodifluoromethane	2.661	51	138438	0.875	ppbv	97
4) Chloromethane	2.803	50	82537	0.833	ppbv	94
5) Vinyl Chloride	2.912	62	71753m	0.895	ppbv	
6) Bromomethane	3.111	94	26614m	0.903	ppbv	
7) Chloroethane	3.185	64	28818m	0.953	ppbv	
8) Dichlorotetrafluoroethane	2.848	85	187024	0.886	ppbv	98
9) Propene	2.684	41	57106m	0.851	ppbv	
10) Heptane	7.577	43	128501	0.785	ppbv	100
11) Trichlorofluoromethane	3.555	101	200340	0.919	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.057	101	152123	0.921	ppbv	100
13) Ethanol	3.246	45	6170m	0.977	ppbv	
14) Bromoethene	3.359	108	53944	0.868	ppbv	95
15) Acetone	3.468	43	140341m	0.846	ppbv	
16) 1,3-Butadiene	2.973	39	64031	0.888	ppbv	95
17) tert-Butyl alcohol	3.883	59	132704m	0.812	ppbv	
18) 1,1-Dichloroethene	3.877	96	63791m	0.888	ppbv	
19) Isopropyl Alcohol	3.584	45	68031m	0.833	ppbv	
20) Methylene Chloride	3.925	84	61708	0.876	ppbv	93
21) Allyl Chloride	3.989	41	86396	0.867	ppbv	98
22) trans-1,2-Dichloroethene	4.439	96	68184m	0.952	ppbv	
23) Vinyl Acetate	4.626	43	44546m	0.847	ppbv	
24) 1,1-Dichloroethane	4.558	63	135180	0.876	ppbv #	96
25) Ethyl Acetate	5.208	43	230561	0.803	ppbv	98
26) Hexane	5.211	57	102390	0.848	ppbv	97
27) Carbon Disulfide	4.118	76	122044m	0.802	ppbv	
28) Methyl tert-Butyl Ether	4.590	73	118871	0.836	ppbv	98
29) Chloroform	5.272	83	158233	0.859	ppbv	98
30) Cyclohexane	6.603	84	87370m	0.817	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	99450m	0.865	ppbv	
32) 1,1,1-Trichloroethane	5.999	97	175863	0.892	ppbv	98
34) 2-Butanone	4.793	43	147618m	0.918	ppbv	
35) Carbon Tetrachloride	6.494	117	170857	0.928	ppbv	97
36) Benzene	6.369	78	216615	0.818	ppbv	96
37) 1,2-Dichloroethane	5.806	62	140328	0.903	ppbv	99
38) Trichloroethene	7.291	130	122822	0.903	ppbv	89
39) 1,2-Dichloropropane	7.073	63	87303m	0.880	ppbv	
40) 1,4-Dioxane	7.320	88	33554m	0.750	ppbv	
41) Tetrahydrofuran	5.578	42	80416m	0.801	ppbv	
42) Bromodichloromethane	7.253	83	179792	0.845	ppbv	95
43) Methyl Methacrylate	7.481	69	76775	0.773	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	368596	0.846	ppbv	98
45) t-1,3-Dichloropropene	8.719	75	56645m	0.674	ppbv	

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QLast Update : Mon Jan 16 11:28:27 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	81643	0.689	ppbv	94
47) 1,1,2-Trichloroethane	8.905	97	88496m	0.814	ppbv	
48) Dibromochloromethane	9.712	129	133488m	0.808	ppbv	
49) Bromoform	12.420	173	95133	0.754	ppbv	99
50) 4-Methyl-2-Pentanone	8.201	43	212360	0.808	ppbv	99
51) 2-Hexanone	9.574	43	156089m	0.764	ppbv	
52) Tetrachloroethene	10.622	164	71600	0.795	ppbv	90
53) Toluene	9.227	91	224929	0.767	ppbv	97
54) 1,2-Dibromoethane	10.015	107	93423	0.798	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.516	131	105336	0.843	ppbv #	1
57) Chlorobenzene	11.535	112	185412	0.806	ppbv #	90
58) Ethyl Benzene	12.095	91	298292	0.775	ppbv	99
59) m/p-Xylene	12.384	91	552369m	1.647	ppbv	
60) o-Xylene	13.066	91	254350	0.792	ppbv	99
61) Styrene	12.912	104	118425	0.687	ppbv	97
62) Isopropylbenzene	14.040	105	379108	0.819	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.060	83	96671	0.821	ppbv	97
64) n-propylbenzene	14.924	120	91917m	0.786	ppbv	
65) tert-Butylbenzene	16.101	119	321124m	0.798	ppbv	
66) Benzyl Chloride	16.336	91	19609m	0.836	ppbv	
67) sec-Butylbenzene	16.651	105	457191	0.811	ppbv	98
69) p-Isopropyltoluene	17.008	119	351596	0.780	ppbv	98
70) n-Butylbenzene	17.905	91	376823	0.798	ppbv	99
71) 2-Chlorotoluene	14.815	91	288301	0.816	ppbv	97
72) 4-Ethyltoluene	15.207	105	276406	0.775	ppbv	97
73) 1,3,5-Trimethylbenzene	15.362	105	254377	0.791	ppbv	88
74) 1,2,4-Trimethylbenzene	16.121	105	284092	0.801	ppbv	100
75) 1,3-Dichlorobenzene	16.346	146	152837m	0.788	ppbv	
76) 1,4-Dichlorobenzene	16.490	146	160394m	0.847	ppbv	
77) 1,2-Dichlorobenzene	17.156	146	152658m	0.820	ppbv	
78) Hexachloro-1,3-Butadiene	22.648	225	119559m	0.926	ppbv	
79) Naphthalene	21.410	128	160200m	0.758	ppbv	
80) Naphthalene,2-methyl-	24.394	142	39137	0.605	ppbv #	87
81) 1,2,4-Trichlorobenzene	21.159	180	96039m	0.765	ppbv	

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

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