

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
 Data File : VL041618.D
 Acq On : 18 Sep 2024 22:44
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2024
 Supervised By :Mahesh Dadoda 09/19/2024

Quant Time: Sep 19 03:41:22 2024

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 09:12:21 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1152316	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.658	114	3074502	10.000	ppbv	0.03
55) Chlorobenzene-d5	11.468	117	3028731m	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2158584	9.682	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.748	85	1609862	9.674	ppbv	99
3) Chlorodifluoromethane	2.693	51	1335037	9.552	ppbv	99
4) Chloromethane	2.832	50	741922	9.651	ppbv	99
5) Vinyl Chloride	2.938	62	681128	10.233	ppbv	98
6) Bromomethane	3.134	94	269347	8.134	ppbv	98
7) Chloroethane	3.214	64	249266	9.629	ppbv	99
8) Dichlorotetrafluoroethane	2.874	85	1641811	9.405	ppbv	99
9) Propene	2.713	41	643878	10.922	ppbv	100
10) Heptane	7.584	43	1493242	10.818	ppbv	99
11) Trichlorofluoromethane	3.575	101	1623650	9.169	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.079	101	1190738	9.284	ppbv	100
13) Ethanol	3.266	45	26780m	6.042	ppbv	
14) Bromoethene	3.382	108	491495	10.107	ppbv	99
15) Acetone	3.481	43	1216837	8.411	ppbv	100
16) 1,3-Butadiene	3.002	39	716971	10.189	ppbv	98
17) tert-Butyl alcohol	3.890	59	1299830	10.217	ppbv	99
18) 1,1-Dichloroethene	3.893	96	539629	9.939	ppbv	98
19) Isopropyl Alcohol	3.587	45	673977	9.101	ppbv	100
20) Methylene Chloride	3.944	84	444842	8.185	ppbv	93
21) Allyl Chloride	4.009	41	852298	10.165	ppbv	99
22) trans-1,2-Dichloroethene	4.455	96	533639	9.853	ppbv	99
23) Vinyl Acetate	4.636	43	958367	12.044	ppbv #	97
24) 1,1-Dichloroethane	4.571	63	1151135	9.638	ppbv	99
25) Ethyl Acetate	5.211	43	2704409	10.413	ppbv	100
26) Hexane	5.221	57	1125342	10.390	ppbv	97
27) Carbon Disulfide	4.137	76	1227462	10.661	ppbv	98
28) Methyl tert-Butyl Ether	4.597	73	686625	10.283	ppbv	99
29) Chloroform	5.282	83	1680809	9.483	ppbv	97
30) Cyclohexane	6.610	84	949020	11.367	ppbv	98
31) cis-1,2-Dichloroethene	5.086	61	1079209	10.496	ppbv	99
32) 1,1,1-Trichloroethane	6.008	97	1637446	10.373	ppbv	99
34) 2-Butanone	4.793	43	1575782	10.749	ppbv	99
35) Carbon Tetrachloride	6.500	117	1678377	11.126	ppbv	98
36) Benzene	6.378	78	2315643	10.845	ppbv	100
37) 1,2-Dichloroethane	5.812	62	1258966	10.162	ppbv	99
38) Trichloroethene	7.298	130	1129681	10.274	ppbv	96
39) 1,2-Dichloropropane	7.079	63	907502	10.447	ppbv	98
40) 1,4-Dioxane	7.295	88	260119	7.944	ppbv #	55
41) Tetrahydrofuran	5.562	42	965725	11.970	ppbv	99
42) Bromodichloromethane	7.256	83	1789648	10.383	ppbv	98
43) Methyl Methacrylate	7.478	69	922711	12.076	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	3926123	10.628	ppbv	100
45) t-1,3-Dichloropropene	8.716	75	688144	11.170	ppbv	98

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 MSVOA_L
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 VSTDCCC010EC

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	994376	11.018	ppbv	99
47) 1,1,2-Trichloroethane	8.902	97	935752	10.146	ppbv	96
48) Dibromochloromethane	9.716	129	1516194	10.850	ppbv	99
49) Bromoform	12.407	173	1293333	10.782	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	2630611	11.620	ppbv	100
51) 2-Hexanone	9.552	43	2057043	12.012	ppbv #	99
52) Tetrachloroethene	10.619	164	844101	10.918	ppbv	97
53) Toluene	9.224	91	2642864	11.660	ppbv	100
54) 1,2-Dibromoethane	10.012	107	1253159	11.033	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.507	131	1127447	9.534	ppbv	99
57) Chlorobenzene	11.529	112	2015460	9.229	ppbv	99
58) Ethyl Benzene	12.089	91	3511479	10.831	ppbv	99
59) m/p-Xylene	12.372	91	5928010m	20.543	ppbv	
60) o-Xylene	13.060	91	2864051	10.352	ppbv	100
61) Styrene	12.899	104	1380260	11.942	ppbv	99
62) Isopropylbenzene	14.027	105	4166590	9.941	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.047	83	1486647	10.510	ppbv	100
64) n-propylbenzene	14.915	120	1115340	10.304	ppbv	100
65) tert-Butylbenzene	16.085	119	3719565	9.681	ppbv	100
66) Benzyl Chloride	16.323	91	192391	9.632	ppbv	99
67) sec-Butylbenzene	16.632	105	5216169	9.786	ppbv	100
69) p-Isopropyltoluene	16.992	119	4338555	10.055	ppbv	100
70) n-Butylbenzene	17.883	91	4465183	9.879	ppbv	99
71) 2-Chlorotoluene	14.796	91	3119812	10.116	ppbv	99
72) 4-Ethyltoluene	15.191	105	3411294	10.549	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	2920920	10.229	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	3222123	9.640	ppbv	96
75) 1,3-Dichlorobenzene	16.330	146	1952759	9.322	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	1891944	9.425	ppbv	100
77) 1,2-Dichlorobenzene	17.143	146	1893075	9.154	ppbv	99
78) Hexachloro-1,3-Butadiene	22.632	225	1393211	8.167	ppbv	99
79) Naphthalene	21.381	128	2864895m	11.646	ppbv	
80) Naphthalene,2-methyl-	24.371	142	1747639	10.139	ppbv	99
81) 1,2,4-Trichlorobenzene	21.130	180	1542503	9.863	ppbv	99

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

