

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062624\
 Data File : VL041352.D
 Acq On : 26 Jun 2024 8:52
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

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

Quant Time: Jun 26 09:45:59 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 12 01:18:29 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1132523	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2966888	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	2859012	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 2125061 9.627 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	1616813	8.940	ppbv	99
3) Chlorodifluoromethane	2.674	51	1651022	9.225	ppbv	99
4) Chloromethane	2.816	50	643574	9.554	ppbv	100
5) Vinyl Chloride	2.922	62	670057	9.874	ppbv	96
6) Bromomethane	3.121	94	227907	9.445	ppbv	90
7) Chloroethane	3.201	64	225384	9.647	ppbv	92
8) Dichlorotetrafluoroethane	2.857	85	1600431	9.622	ppbv	97
9) Propene	2.693	41	578612	9.077	ppbv	99
10) Heptane	7.594	43	1406870	9.311	ppbv	97
11) Trichlorofluoromethane	3.568	101	1614273	9.710	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.070	101	1129834	9.621	ppbv	97
13) Ethanol	3.250	45	127882m	7.711	ppbv	
14) Bromoethene	3.369	108	480398	10.108	ppbv	99
15) Acetone	3.472	43	1210430	9.361	ppbv	99
16) 1,3-Butadiene	2.986	39	675833	10.397	ppbv	100
17) tert-Butyl alcohol	3.886	59	1081178	9.082	ppbv	98
18) 1,1-Dichloroethene	3.886	96	525196	10.484	ppbv	92
19) Isopropyl Alcohol	3.584	45	700286	8.620	ppbv	99
20) Methylene Chloride	3.938	84	426808	9.081	ppbv	96
21) Allyl Chloride	4.002	41	813311	9.928	ppbv	99
22) trans-1,2-Dichloroethene	4.452	96	515481	9.874	ppbv	94
23) Vinyl Acetate	4.636	43	1391441	10.522	ppbv	99
24) 1,1-Dichloroethane	4.571	63	1116956	9.601	ppbv	99
25) Ethyl Acetate	5.214	43	2357976	9.218	ppbv	99
26) Hexane	5.221	57	1060983	9.223	ppbv	97
27) Carbon Disulfide	4.131	76	1363981	10.704	ppbv	99
28) Methyl tert-Butyl Ether	4.594	73	794331	9.316	ppbv	98
29) Chloroform	5.285	83	1596016	9.043	ppbv	98
30) Cyclohexane	6.613	84	875677	9.391	ppbv	98
31) cis-1,2-Dichloroethene	5.089	61	1052930	9.686	ppbv	99
32) 1,1,1-Trichloroethane	6.015	97	1599198	9.566	ppbv	100
34) 2-Butanone	4.796	43	1455357	10.239	ppbv	100
35) Carbon Tetrachloride	6.507	117	1657542	9.830	ppbv	97
36) Benzene	6.381	78	2191806	9.531	ppbv	98
37) 1,2-Dichloroethane	5.819	62	1264927	9.435	ppbv	100
38) Trichloroethene	7.307	130	839482	9.008	ppbv	96
39) 1,2-Dichloropropane	7.089	63	840834	9.182	ppbv	96
40) 1,4-Dioxane	7.298	88	237907	7.094	ppbv #	1
41) Tetrahydrofuran	5.565	42	912778	9.870	ppbv	99
42) Bromodichloromethane	7.266	83	1787582	9.283	ppbv	98
43) Methyl Methacrylate	7.487	69	879859	10.042	ppbv	99
44) 2,2,4-Trimethylpentane	7.340	57	3657322	9.247	ppbv	99
45) t-1,3-Dichloropropene	8.725	75	603609	10.209	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.159	75	758294	9.964	ppbv	97
47) 1,1,2-Trichloroethane	8.912	97	894380	9.347	ppbv	97
48) Dibromochloromethane	9.729	129	1519271	9.634	ppbv	98
49) Bromoform	12.423	173	1242320	9.776	ppbv	98
50) 4-Methyl-2-Pentanone	8.195	43	2285377	9.713	ppbv	100
51) 2-Hexanone	9.568	43	1632814	9.764	ppbv #	99
52) Tetrachloroethene	10.632	164	779743	9.298	ppbv	99
53) Toluene	9.237	91	2573407	9.729	ppbv	99
54) 1,2-Dibromoethane	10.028	107	1184946	9.499	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.526	131	1107423	9.158	ppbv	99
57) Chlorobenzene	11.545	112	1898524	8.940	ppbv	99
58) Ethyl Benzene	12.105	91	3383570	9.233	ppbv	100
59) m/p-Xylene	12.384	91	5824158m	18.549	ppbv	
60) o-Xylene	13.076	91	2709879	9.053	ppbv	99
61) Styrene	12.915	104	1470875	10.023	ppbv	98
62) Isopropylbenzene	14.044	105	4115995	9.092	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.066	83	1934570	9.084	ppbv	99
64) n-propylbenzene	14.934	120	1096452	9.397	ppbv	98
65) tert-Butylbenzene	16.108	119	3660050	9.094	ppbv	99
66) Benzyl Chloride	16.342	91	255013	9.631	ppbv	95
67) sec-Butylbenzene	16.654	105	5191541	9.131	ppbv	100
69) p-Isopropyltoluene	17.014	119	4352908	9.290	ppbv	99
70) n-Butylbenzene	17.902	91	4537643	9.335	ppbv	100
71) 2-Chlorotoluene	14.818	91	3118670	9.001	ppbv	98
72) 4-Ethyltoluene	15.211	105	3285175	9.421	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	2869895	9.482	ppbv	99
74) 1,2,4-Trimethylbenzene	16.127	105	3187317	9.312	ppbv	98
75) 1,3-Dichlorobenzene	16.349	146	1883920	9.376	ppbv	100
76) 1,4-Dichlorobenzene	16.490	146	1864089	9.284	ppbv	99
77) 1,2-Dichlorobenzene	17.159	146	1852808	9.211	ppbv	100
78) Hexachloro-1,3-Butadiene	22.661	225	1210089	7.341	ppbv	99
79) Naphthalene	21.413	128	2266201	7.630	ppbv	99
80) Naphthalene,2-methyl-	24.390	142	5786m	0.058	ppbv	
81) 1,2,4-Trichlorobenzene	21.172	180	1203250	7.265	ppbv #	99

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

