

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
 Data File : VL041188.D
 Acq On : 2 May 2024 9:18
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/06/2024
 Supervised By : Mahesh Dadoda 05/07/2024

Quant Time: May 03 03:37:16 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

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

QLast Update : Fri May 03 03:34:47 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1024404	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2598160	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2562568m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 1863095 9.630 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	1346849	9.720	ppbv	99
3) Chlorodifluoromethane	2.674	51	1426532	9.169	ppbv	100
4) Chloromethane	2.812	50	577585	9.461	ppbv	99
5) Vinyl Chloride	2.918	62	589624	9.614	ppbv	97
6) Bromomethane	3.118	94	211441	9.449	ppbv	95
7) Chloroethane	3.195	64	208863	9.646	ppbv	99
8) Dichlorotetrafluoroethane	2.854	85	1389020	9.685	ppbv	100
9) Propene	2.693	41	551683	9.061	ppbv	100
10) Heptane	7.581	43	1345269	9.119	ppbv	99
11) Trichlorofluoromethane	3.558	101	1365494	9.696	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.063	101	1036471	9.953	ppbv	99
13) Ethanol	3.237	45	133683	9.794	ppbv	99
14) Bromoethene	3.365	108	415991	9.679	ppbv	99
15) Acetone	3.465	43	1061602	8.781	ppbv	98
16) 1,3-Butadiene	2.983	39	600030	9.832	ppbv	98
17) tert-Butyl alcohol	3.873	59	1279810	9.813	ppbv	100
18) 1,1-Dichloroethene	3.877	96	453914	9.776	ppbv	100
19) Isopropyl Alcohol	3.571	45	807866	10.183	ppbv #	43
20) Methylene Chloride	3.931	84	384181	9.138	ppbv	99
21) Allyl Chloride	3.996	41	763587	9.686	ppbv	99
22) trans-1,2-Dichloroethene	4.443	96	476702	9.872	ppbv	96
23) Vinyl Acetate	4.626	43	1339196	10.059	ppbv	99
24) 1,1-Dichloroethane	4.561	63	1026680	9.918	ppbv	99
25) Ethyl Acetate	5.201	43	2273169	9.420	ppbv	99
26) Hexane	5.211	57	989367	9.187	ppbv	98
27) Carbon Disulfide	4.121	76	1254032	9.838	ppbv	98
28) Methyl tert-Butyl Ether	4.584	73	838056	9.774	ppbv	100
29) Chloroform	5.272	83	1431175	9.634	ppbv	97
30) Cyclohexane	6.600	84	799290	9.377	ppbv	98
31) cis-1,2-Dichloroethene	5.076	61	963976	9.562	ppbv	95
32) 1,1,1-Trichloroethane	6.002	97	1426260	9.622	ppbv	100
34) 2-Butanone	4.783	43	1173073	8.871	ppbv	98
35) Carbon Tetrachloride	6.491	117	1418064	9.725	ppbv	98
36) Benzene	6.368	78	2037807	9.346	ppbv	99
37) 1,2-Dichloroethane	5.806	62	1104586	9.710	ppbv	99
38) Trichloroethene	7.288	130	724968	8.923	ppbv	97
39) 1,2-Dichloropropane	7.073	63	795782	9.471	ppbv	99
40) 1,4-Dioxane	7.282	88	309946	10.325	ppbv	90
41) Tetrahydrofuran	5.552	42	902889	9.431	ppbv	99
42) Bromodichloromethane	7.246	83	1603398	9.828	ppbv	98
43) Methyl Methacrylate	7.471	69	835132	9.470	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	3445196	9.164	ppbv	99
45) t-1,3-Dichloropropene	8.709	75	651407	10.194	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	764920	9.777	ppbv	95
47) 1,1,2-Trichloroethane	8.896	97	803388	9.552	ppbv	99
48) Dibromochloromethane	9.706	129	1321940	9.865	ppbv	99
49) Bromoform	12.407	173	1139522	9.996	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	2182176	9.195	ppbv	100
51) 2-Hexanone	9.545	43	1610275	9.148	ppbv #	100
52) Tetrachloroethene	10.613	164	712640	9.299	ppbv	99
53) Toluene	9.220	91	2364051	9.351	ppbv	100
54) 1,2-Dibromoethane	10.005	107	1111878	9.761	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.507	131	975213	9.385	ppbv	98
57) Chlorobenzene	11.526	112	1667118	8.883	ppbv	99
58) Ethyl Benzene	12.085	91	3089978	8.794	ppbv	100
59) m/p-Xylene	12.371	91	5148716m	17.434	ppbv	
60) o-Xylene	13.056	91	2410914	8.709	ppbv	99
61) Styrene	12.896	104	1339377	9.159	ppbv	99
62) Isopropylbenzene	14.027	105	3613394	8.727	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.043	83	1700222	9.011	ppbv	99
64) n-propylbenzene	14.912	120	945944	9.157	ppbv	100
65) tert-Butylbenzene	16.088	119	3145305	8.481	ppbv	99
66) Benzyl Chloride	16.326	91	386051	9.196	ppbv	98
67) sec-Butylbenzene	16.632	105	4517632	8.653	ppbv	99
69) p-Isopropyltoluene	16.992	119	3728768	8.667	ppbv	100
70) n-Butylbenzene	17.883	91	3907816	8.697	ppbv	100
71) 2-Chlorotoluene	14.799	91	2769095	8.783	ppbv	98
72) 4-Ethyltoluene	15.191	105	2925534	9.330	ppbv	98
73) 1,3,5-Trimethylbenzene	15.349	105	2494223	8.792	ppbv	98
74) 1,2,4-Trimethylbenzene	16.104	105	2726930	8.801	ppbv	98
75) 1,3-Dichlorobenzene	16.329	146	1629857	9.174	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	1590703	9.310	ppbv	99
77) 1,2-Dichlorobenzene	17.140	146	1582443	8.910	ppbv	99
78) Hexachloro-1,3-Butadiene	22.631	225	1240007	7.856	ppbv	99
79) Naphthalene	21.384	128	2799619	9.488	ppbv	98
80) Naphthalene,2-methyl-	24.371	142	920333	7.754	ppbv	97
81) 1,2,4-Trichlorobenzene	21.136	180	1379214	8.853	ppbv	98

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

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