

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052424\
 Data File : VL041281.D
 Acq On : 24 May 2024 8:24
 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 05/28/2024
 Supervised By :Mahesh Dadoda 05/28/2024

Quant Time: May 24 23:17:00 2024

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

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

QLast Update : Fri May 24 23:11:50 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	888361	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2394487	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2370924	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 1804610 10.082 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	1190858	9.910	ppbv	100
3) Chlorodifluoromethane	2.700	51	1452623	10.766	ppbv	98
4) Chloromethane	2.838	50	542010	10.238	ppbv	95
5) Vinyl Chloride	2.944	62	569298	10.704	ppbv	99
6) Bromomethane	3.140	94	202930	10.458	ppbv	94
7) Chloroethane	3.221	64	195326	10.402	ppbv	100
8) Dichlorotetrafluoroethane	2.880	85	1353256	10.880	ppbv	99
9) Propene	2.719	41	487036	9.224	ppbv	95
10) Heptane	7.590	43	1272589	9.948	ppbv	99
11) Trichlorofluoromethane	3.584	101	1380974	11.308	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.082	101	971738	10.760	ppbv	99
13) Ethanol	3.259	45	114659	9.687	ppbv	96
14) Bromoethene	3.388	108	401935	10.784	ppbv	99
15) Acetone	3.488	43	1039134	9.911	ppbv	98
16) 1,3-Butadiene	3.009	39	564389	10.664	ppbv	99
17) tert-Butyl alcohol	3.896	59	983474	8.696	ppbv	99
18) 1,1-Dichloroethene	3.899	96	426041	10.580	ppbv	96
19) Isopropyl Alcohol	3.594	45	694656	10.097	ppbv #	44
20) Methylene Chloride	3.951	84	366754	10.060	ppbv	95
21) Allyl Chloride	4.015	41	703573	10.292	ppbv	96
22) trans-1,2-Dichloroethene	4.462	96	442748	10.573	ppbv	98
23) Vinyl Acetate	4.642	43	1195369	10.354	ppbv #	98
24) 1,1-Dichloroethane	4.581	63	971973	10.827	ppbv	98
25) Ethyl Acetate	5.217	43	2105714	10.062	ppbv	100
26) Hexane	5.227	57	911875	9.764	ppbv	98
27) Carbon Disulfide	4.144	76	1165378	10.542	ppbv	97
28) Methyl tert-Butyl Ether	4.600	73	702328	9.445	ppbv	100
29) Chloroform	5.291	83	1432389	11.118	ppbv	98
30) Cyclohexane	6.613	84	772135	10.445	ppbv	98
31) cis-1,2-Dichloroethene	5.092	61	913009	10.443	ppbv	99
32) 1,1,1-Trichloroethane	6.018	97	1441888	11.217	ppbv	98
34) 2-Butanone	4.803	43	1126019	9.239	ppbv	98
35) Carbon Tetrachloride	6.507	117	1511038	11.244	ppbv	98
36) Benzene	6.385	78	1947357	9.691	ppbv	99
37) 1,2-Dichloroethane	5.822	62	1145038	10.921	ppbv	100
38) Trichloroethene	7.301	130	763553	10.197	ppbv	97
39) 1,2-Dichloropropane	7.086	63	746206	9.636	ppbv	95
40) 1,4-Dioxane	7.295	88	294749	10.654	ppbv	91
41) Tetrahydrofuran	5.571	42	800630	9.075	ppbv	99
42) Bromodichloromethane	7.259	83	1659187	11.035	ppbv	98
43) Methyl Methacrylate	7.487	69	786265	9.674	ppbv	98
44) 2,2,4-Trimethylpentane	7.336	57	3281430	9.471	ppbv	99
45) t-1,3-Dichloropropene	8.719	75	641131	10.886	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	770602	10.688	ppbv	99
47) 1,1,2-Trichloroethane	8.909	97	811633	10.471	ppbv	97
48) Dibromochloromethane	9.719	129	1397833	11.318	ppbv	100
49) Bromoform	12.417	173	1156549	11.008	ppbv	99
50) 4-Methyl-2-Pentanone	8.188	43	2058151	9.410	ppbv	99
51) 2-Hexanone	9.558	43	1506000	9.283	ppbv #	97
52) Tetrachloroethene	10.622	164	693142	9.814	ppbv	93
53) Toluene	9.230	91	2295887	9.854	ppbv	99
54) 1,2-Dibromoethane	10.015	107	1148780	10.942	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.516	131	1023554	10.647	ppbv	99
57) Chlorobenzene	11.532	112	1730509	9.966	ppbv	98
58) Ethyl Benzene	12.095	91	3085515	9.491	ppbv	97
59) m/p-Xylene	12.378	91	5254542m	19.231	ppbv	
60) o-Xylene	13.063	91	2461823	9.612	ppbv	99
61) Styrene	12.902	104	1347872	9.962	ppbv	99
62) Isopropylbenzene	14.031	105	3720804	9.712	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	1758050	10.070	ppbv	99
64) n-propylbenzene	14.918	120	972526	10.175	ppbv	98
65) tert-Butylbenzene	16.092	119	3259746	9.500	ppbv	99
66) Benzyl Chloride	16.333	91	266006	6.848	ppbv	98
67) sec-Butylbenzene	16.638	105	4625082	9.575	ppbv	99
69) p-Isopropyltoluene	16.998	119	3859125	9.695	ppbv	100
70) n-Butylbenzene	17.889	91	4035366	9.707	ppbv	100
71) 2-Chlorotoluene	14.806	91	2855623	9.790	ppbv	98
72) 4-Ethyltoluene	15.198	105	2981300	10.277	ppbv	98
73) 1,3,5-Trimethylbenzene	15.355	105	2564714	9.771	ppbv	99
74) 1,2,4-Trimethylbenzene	16.111	105	2824833	9.854	ppbv	99
75) 1,3-Dichlorobenzene	16.336	146	1673832	10.183	ppbv	100
76) 1,4-Dichlorobenzene	16.477	146	1645785	10.411	ppbv	99
77) 1,2-Dichlorobenzene	17.146	146	1616754	9.839	ppbv	99
78) Hexachloro-1,3-Butadiene	22.635	225	1143318	7.829	ppbv	99
79) Naphthalene	21.384	128	2794762	10.238	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	870591	7.927	ppbv	98
81) 1,2,4-Trichlorobenzene	21.143	180	1328992	9.220	ppbv	99

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

