

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
 Data File : VL041540.D
 Acq On : 19 Aug 2024 8:59
 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 08/20/2024
 Supervised By : Mahesh Dadoda 08/20/2024

Quant Time: Aug 20 02:13:28 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 20 02:13:28 2024

QLast Update : Tue Aug 20 02:10:04 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	949994	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2559374	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	2515938m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.799 95 1947516 10.059 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	884681	5.413	ppbv	99
3) Chlorodifluoromethane	2.693	51	1159695	10.254	ppbv	100
4) Chloromethane	2.832	50	629369	10.463	ppbv	99
5) Vinyl Chloride	2.938	62	619805	10.454	ppbv	99
6) Bromomethane	3.137	94	327691	10.754	ppbv	92
7) Chloroethane	3.214	64	229324	11.207	ppbv	97
8) Dichlorotetrafluoroethane	2.874	85	1383474	9.554	ppbv	100
9) Propene	2.713	41	521016	10.029	ppbv	98
10) Heptane	7.597	43	1321671	11.323	ppbv	99
11) Trichlorofluoromethane	3.581	101	1519219	10.467	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.082	101	1094070	10.468	ppbv	98
13) Ethanol	3.256	45	36044m	7.762	ppbv	
14) Bromoethene	3.385	108	440924	10.821	ppbv	99
15) Acetone	3.484	43	1130098	10.470	ppbv	100
16) 1,3-Butadiene	3.002	39	624120	10.822	ppbv	97
17) tert-Butyl alcohol	3.893	59	1096646	11.140	ppbv	100
18) 1,1-Dichloroethene	3.899	96	487068	10.895	ppbv	92
19) Isopropyl Alcohol	3.591	45	651343	10.322	ppbv #	96
20) Methylene Chloride	3.951	84	412911	10.258	ppbv	98
21) Allyl Chloride	4.012	41	770702	10.888	ppbv	100
22) trans-1,2-Dichloroethene	4.462	96	491446	10.994	ppbv	98
23) Vinyl Acetate	4.642	43	966046	11.719	ppbv #	98
24) 1,1-Dichloroethane	4.581	63	1045215	10.768	ppbv	99
25) Ethyl Acetate	5.221	43	2381732	11.107	ppbv	99
26) Hexane	5.230	57	979260	11.009	ppbv	99
27) Carbon Disulfide	4.144	76	1163109	11.177	ppbv	99
28) Methyl tert-Butyl Ether	4.603	73	587594	10.474	ppbv	100
29) Chloroform	5.295	83	1547234	10.664	ppbv	99
30) Cyclohexane	6.623	84	817710	11.288	ppbv	99
31) cis-1,2-Dichloroethene	5.095	61	948884	10.798	ppbv	98
32) 1,1,1-Trichloroethane	6.021	97	1527033	10.812	ppbv	99
34) 2-Butanone	4.803	43	1405398	11.352	ppbv	99
35) Carbon Tetrachloride	6.513	117	1609727	11.403	ppbv	99
36) Benzene	6.391	78	2059410	11.012	ppbv	99
37) 1,2-Dichloroethane	5.825	62	1153588	11.021	ppbv	99
38) Trichloroethene	7.311	130	978782	11.424	ppbv	97
39) 1,2-Dichloropropane	7.095	63	811438	11.333	ppbv	97
40) 1,4-Dioxane	7.307	88	311632	10.835	ppbv	78
41) Tetrahydrofuran	5.574	42	831216	11.739	ppbv	98
42) Bromodichloromethane	7.269	83	1693152	11.203	ppbv	99
43) Methyl Methacrylate	7.494	69	821493	12.250	ppbv	97
44) 2,2,4-Trimethylpentane	7.343	57	3513799	11.249	ppbv	99
45) t-1,3-Dichloropropene	8.729	75	843236	13.661	ppbv	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	1113175	12.489	ppbv	97
47) 1,1,2-Trichloroethane	8.918	97	874878	11.085	ppbv	96
48) Dibromochloromethane	9.732	129	1471389	11.573	ppbv	100
49) Bromoform	12.429	173	1290363	12.015	ppbv	99
50) 4-Methyl-2-Pentanone	8.198	43	2348083	12.021	ppbv	100
51) 2-Hexanone	9.571	43	1889904	12.796	ppbv #	98
52) Tetrachloroethene	10.635	164	785134	10.865	ppbv	98
53) Toluene	9.240	91	2434932	11.689	ppbv	100
54) 1,2-Dibromoethane	10.031	107	1279830	12.183	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.529	131	1082376	11.093	ppbv #	57
57) Chlorobenzene	11.545	112	1917343	10.704	ppbv	99
58) Ethyl Benzene	12.111	91	3295215	11.363	ppbv	100
59) m/p-Xylene	12.394	91	5677231m	22.679	ppbv	
60) o-Xylene	13.079	91	2717555	11.476	ppbv	100
61) Styrene	12.918	104	1314555	12.305	ppbv	99
62) Isopropylbenzene	14.050	105	3944805	10.958	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.069	83	1675653	11.206	ppbv	99
64) n-propylbenzene	14.937	120	1056999	11.231	ppbv	95
65) tert-Butylbenzene	16.111	119	3568987	10.976	ppbv	100
66) Benzyl Chloride	16.346	91	294537	14.122	ppbv	98
67) sec-Butylbenzene	16.658	105	5012445	11.189	ppbv	99
69) p-Isopropyltoluene	17.018	119	4225410	11.366	ppbv	100
70) n-Butylbenzene	17.908	91	4335585	11.376	ppbv	100
71) 2-Chlorotoluene	14.822	91	2983953	11.240	ppbv	99
72) 4-Ethyltoluene	15.214	105	3230798	11.588	ppbv	98
73) 1,3,5-Trimethylbenzene	15.371	105	2794784	11.636	ppbv	98
74) 1,2,4-Trimethylbenzene	16.127	105	3136247	11.232	ppbv	97
75) 1,3-Dichlorobenzene	16.355	146	1953807	11.131	ppbv	100
76) 1,4-Dichlorobenzene	16.494	146	1933808	11.378	ppbv	98
77) 1,2-Dichlorobenzene	17.162	146	1900542	10.922	ppbv	100
78) Hexachloro-1,3-Butadiene	22.657	225	1416463	9.546	ppbv	99
79) Naphthalene	21.410	128	3145958	12.765	ppbv	99
80) Naphthalene,2-methyl-	24.390	142	2696816	13.054	ppbv	100
81) 1,2,4-Trichlorobenzene	21.162	180	1663658	11.343	ppbv	99

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

