

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041697.D
 Acq On : 20 Nov 2024 8:09
 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 11/21/2024
 Supervised By :Mahesh Dadoda 11/21/2024

Quant Time: Nov 21 05:07:41 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 08 01:01:00 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	1123466	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.668	114	3154537	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.481	117	3148626m	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2309915 9.957 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.739	85	2140449	10.541	ppbv	99
3) Chlorodifluoromethane	2.684	51	1415484	9.670	ppbv	99
4) Chloromethane	2.822	50	765196	9.869	ppbv	97
5) Vinyl Chloride	2.931	62	741512	10.631	ppbv	98
6) Bromomethane	3.131	94	384455	10.391	ppbv	99
7) Chloroethane	3.208	64	262500	10.312	ppbv	99
8) Dichlorotetrafluoroethane	2.867	85	1772200	9.777	ppbv	99
9) Propene	2.703	41	632787	9.921	ppbv	99
10) Heptane	7.590	43	1565567	10.954	ppbv	100
11) Trichlorofluoromethane	3.575	101	1779018	10.058	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.076	101	1291192	10.044	ppbv	100
13) Ethanol	3.256	45	35224m	9.019	ppbv	
14) Bromoethene	3.375	108	532947	10.312	ppbv	97
15) Acetone	3.478	43	1367331	9.889	ppbv	100
16) 1,3-Butadiene	2.996	39	749348	10.741	ppbv	98
17) tert-Butyl alcohol	3.890	59	1234931	10.178	ppbv	100
18) 1,1-Dichloroethene	3.890	96	587002	10.411	ppbv	96
19) Isopropyl Alcohol	3.587	45	676609	10.238	ppbv	98
20) Methylene Chloride	3.944	84	485339	9.539	ppbv	97
21) Allyl Chloride	4.009	41	920766	10.777	ppbv	99
22) trans-1,2-Dichloroethene	4.459	96	595977	10.631	ppbv	97
23) Vinyl Acetate	4.639	43	635436	10.425	ppbv	98
24) 1,1-Dichloroethane	4.574	63	1289373	10.304	ppbv	99
25) Ethyl Acetate	5.214	43	2953915	10.321	ppbv	100
26) Hexane	5.224	57	1161873	10.567	ppbv	99
27) Carbon Disulfide	4.134	76	1447099	11.714	ppbv	100
28) Methyl tert-Butyl Ether	4.597	73	696845	9.841	ppbv	99
29) Chloroform	5.288	83	1838047	10.127	ppbv	99
30) Cyclohexane	6.616	84	996570	10.644	ppbv	98
31) cis-1,2-Dichloroethene	5.092	61	1122533	10.612	ppbv	98
32) 1,1,1-Trichloroethane	6.015	97	1767346	10.673	ppbv	99
34) 2-Butanone	4.796	43	1528409	9.731	ppbv	99
35) Carbon Tetrachloride	6.507	117	1867710	11.222	ppbv	99
36) Benzene	6.385	78	2472710	10.579	ppbv	97
37) 1,2-Dichloroethane	5.819	62	1372788	10.411	ppbv	99
38) Trichloroethene	7.304	130	1003555	11.179	ppbv	98
39) 1,2-Dichloropropane	7.089	63	955590	10.346	ppbv	97
40) 1,4-Dioxane	7.298	88	365570	11.031	ppbv	97
41) Tetrahydrofuran	5.568	42	989840	11.035	ppbv	100
42) Bromodichloromethane	7.262	83	1959114	10.692	ppbv	99
43) Methyl Methacrylate	7.488	69	946899	11.538	ppbv	98
44) 2,2,4-Trimethylpentane	7.340	57	4173715	10.542	ppbv	100
45) t-1,3-Dichloropropene	8.725	75	949613	12.663	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	1284127	11.922	ppbv	99
47) 1,1,2-Trichloroethane	8.915	97	1022170	10.225	ppbv	98
48) Dibromochloromethane	9.725	129	1691178	11.129	ppbv	99
49) Bromoform	12.420	173	1497113	11.514	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2640409	10.950	ppbv	99
51) 2-Hexanone	9.561	43	2067266	11.773	ppbv	100
52) Tetrachloroethene	10.629	164	902967	11.336	ppbv	98
53) Toluene	9.233	91	2828799	11.509	ppbv	100
54) 1,2-Dibromoethane	10.024	107	1372700	11.753	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.523	131	1283659	9.885	ppbv	100
57) Chlorobenzene	11.539	112	2247475	9.651	ppbv	98
58) Ethyl Benzene	12.102	91	3843108	11.134	ppbv	99
59) m/p-Xylene	12.384	91	6556478m	21.210	ppbv	
60) o-Xylene	13.073	91	3175724	10.774	ppbv	99
61) Styrene	12.909	104	1525338	12.538	ppbv	99
62) Isopropylbenzene	14.044	105	4683267	10.288	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	2214634	10.214	ppbv	99
64) n-propylbenzene	14.931	120	1265758	10.621	ppbv	99
65) tert-Butylbenzene	16.101	119	4189774	10.240	ppbv	100
66) Benzyl Chloride	16.342	91	370716	11.778	ppbv	99
67) sec-Butylbenzene	16.648	105	5882804	10.201	ppbv	99
69) p-Isopropyltoluene	17.008	119	4911348	10.535	ppbv	100
70) n-Butylbenzene	17.899	91	5076678	10.643	ppbv	100
71) 2-Chlorotoluene	14.812	91	3541658	10.763	ppbv	100
72) 4-Ethyltoluene	15.204	105	3768131	10.996	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	3230569	10.743	ppbv	100
74) 1,2,4-Trimethylbenzene	16.121	105	3599066	10.304	ppbv	98
75) 1,3-Dichlorobenzene	16.346	146	2220877	10.266	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	2183586	10.462	ppbv	98
77) 1,2-Dichlorobenzene	17.156	146	2149012	10.028	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	1424868	8.407	ppbv	100
79) Naphthalene	21.400	128	2807004	13.019	ppbv	99
80) Naphthalene,2-methyl-	24.387	142	555593	11.821	ppbv	97
81) 1,2,4-Trichlorobenzene	21.153	180	1441690	10.633	ppbv	99

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

