

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041405.D
 Acq On : 25 Jul 2024 18:06
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/26/2024
 Supervised By : Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:45:39 2024

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

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

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1211244	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3327019	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3365868	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2515088 9.970 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	2086477	10.095	ppbv	99
3) Chlorodifluoromethane	2.652	51	1914240	9.165	ppbv	100
4) Chloromethane	2.790	50	996482	12.485	ppbv	99
5) Vinyl Chloride	2.899	62	1038128	12.036	ppbv	98
6) Bromomethane	3.099	94	547488	20.067	ppbv	96
7) Chloroethane	3.176	64	360614	12.655	ppbv	95
8) Dichlorotetrafluoroethane	2.835	85	2399417	11.943	ppbv	99
9) Propene	2.671	41	899840	12.451	ppbv	98
10) Heptane	7.571	43	2169367	12.780	ppbv	99
11) Trichlorofluoromethane	3.542	101	2473823	12.296	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.047	101	1802452	12.784	ppbv	99
13) Ethanol	3.221	45	62897m	3.923	ppbv	
14) Bromoethene	3.346	108	757933	13.400	ppbv	98
15) Acetone	3.446	43	1760479	11.005	ppbv	99
16) 1,3-Butadiene	2.964	39	1014052	13.319	ppbv	99
17) tert-Butyl alcohol	3.857	59	1836705	14.883	ppbv	99
18) 1,1-Dichloroethene	3.861	96	806522	13.011	ppbv	100
19) Isopropyl Alcohol	3.555	45	1143994	13.027	ppbv	100
20) Methylene Chloride	3.915	84	675282	11.634	ppbv	99
21) Allyl Chloride	3.980	41	1284615	13.313	ppbv	97
22) trans-1,2-Dichloroethene	4.430	96	809963	13.156	ppbv	99
23) Vinyl Acetate	4.613	43	1570687	9.960	ppbv	98
24) 1,1-Dichloroethane	4.545	63	1677304	12.269	ppbv	99
25) Ethyl Acetate	5.189	43	3804371	12.915	ppbv	100
26) Hexane	5.198	57	1615258	12.384	ppbv	98
27) Carbon Disulfide	4.105	76	2038049	12.842	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	986442	10.196	ppbv	100
29) Chloroform	5.263	83	2540539	12.624	ppbv	99
30) Cyclohexane	6.590	84	1411237	13.581	ppbv	96
31) cis-1,2-Dichloroethene	5.063	61	1628471	13.023	ppbv	100
32) 1,1,1-Trichloroethane	5.989	97	2522136	11.940	ppbv	100
34) 2-Butanone	4.771	43	2330483	13.274	ppbv	99
35) Carbon Tetrachloride	6.481	117	2695636	12.269	ppbv	98
36) Benzene	6.359	78	3438269	12.487	ppbv	100
37) 1,2-Dichloroethane	5.793	62	1975307	12.503	ppbv	100
38) Trichloroethene	7.282	130	1582683	13.195	ppbv	98
39) 1,2-Dichloropropane	7.063	63	1340584	12.599	ppbv	96
40) 1,4-Dioxane	7.269	88	505735	14.825	ppbv	80
41) Tetrahydrofuran	5.542	42	1399340	12.868	ppbv	100
42) Bromodichloromethane	7.240	83	2836611	12.832	ppbv	99
43) Methyl Methacrylate	7.465	69	1415809	13.686	ppbv	100
44) 2,2,4-Trimethylpentane	7.314	57	5650271	12.075	ppbv	99
45) t-1,3-Dichloropropene	8.703	75	1508473	23.041	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	1956016	22.219	ppbv	96
47) 1,1,2-Trichloroethane	8.893	97	1451859	12.721	ppbv	96
48) Dibromochloromethane	9.706	129	2512083	13.707	ppbv	100
49) Bromoform	12.404	173	2210280	15.143	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	3807510	13.505	ppbv	99
51) 2-Hexanone	9.542	43	3193628	15.936	ppbv	100
52) Tetrachloroethene	10.610	164	1349134	12.202	ppbv	98
53) Toluene	9.214	91	4102245	13.210	ppbv	99
54) 1,2-Dibromoethane	10.002	107	2140365	15.154	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.503	131	1780102	11.753	ppbv #	58
57) Chlorobenzene	11.523	112	3158639	11.963	ppbv	98
58) Ethyl Benzene	12.082	91	5512808	12.242	ppbv	99
59) m/p-Xylene	12.365	91	9224976m	23.671	ppbv	
60) o-Xylene	13.053	91	4441698	12.076	ppbv	100
61) Styrene	12.892	104	2297760	12.864	ppbv	99
62) Isopropylbenzene	14.027	105	6413793	11.295	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.044	83	2691069	9.287	ppbv	99
64) n-propylbenzene	14.915	120	1752978	11.826	ppbv	100
65) tert-Butylbenzene	16.088	119	5746630	11.366	ppbv	99
66) Benzyl Chloride	16.323	91	487926	14.686	ppbv	99
67) sec-Butylbenzene	16.632	105	8009840	11.201	ppbv	98
69) p-Isopropyltoluene	16.992	119	6796381	11.508	ppbv	99
70) n-Butylbenzene	17.883	91	6996243	11.589	ppbv	98
71) 2-Chlorotoluene	14.796	91	4875167	11.557	ppbv	98
72) 4-Ethyltoluene	15.188	105	5320289	12.144	ppbv	97
73) 1,3,5-Trimethylbenzene	15.349	105	4587750	12.234	ppbv	99
74) 1,2,4-Trimethylbenzene	16.105	105	5066348	11.990	ppbv	97
75) 1,3-Dichlorobenzene	16.330	146	3202871	12.778	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	3142958	12.585	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	3101661	12.137	ppbv	99
78) Hexachloro-1,3-Butadiene	22.628	225	2444092	13.150	ppbv	99
79) Naphthalene	21.381	128	5532989	24.347	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	5230189	8744.993	ppbv	100
81) 1,2,4-Trichlorobenzene	21.136	180	2891669	20.588	ppbv	99

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

