

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041725.D
 Acq On : 11 Dec 2024 17:21
 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 :Mahesh Dadoda 12/13/2024
 Supervised By :Semsettin Yesilyurt 12/13/2024

Quant Time: Dec 12 13:18:06 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M

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

QLast Update : Thu Dec 12 13:14:06 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	271367	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	1332176	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	1199960	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.396 95 793087 10.054 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	822884	17.277	ppbv	97
3) Chlorodifluoromethane	1.479	51	507602	13.741	ppbv	99
4) Chloromethane	1.538	50	223805	17.706	ppbv	98
5) Vinyl Chloride	1.583	62	262683	16.967	ppbv	97
6) Bromomethane	1.674	94	189051	18.620	ppbv	99
7) Chloroethane	1.709	64	120139	17.838	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	674343	17.363	ppbv	96
9) Propene	1.486	41	217245	13.791	ppbv	100
10) Heptane	5.004	43	623852	14.325	ppbv	99
11) Trichlorofluoromethane	1.884	101	944868	17.227	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.146	101	846549	17.143	ppbv	99
13) Ethanol	1.725	45	11979	9.194	ppbv	100
14) Bromoethene	1.787	108	335233	18.521	ppbv	99
15) Acetone	1.839	43	425150	13.570	ppbv	97
16) 1,3-Butadiene	1.612	39	172296	16.393	ppbv	97
17) tert-Butyl alcohol	2.043	59	739165	16.273	ppbv	100
18) 1,1-Dichloroethene	2.039	96	388096	16.998	ppbv	95
19) Isopropyl Alcohol	1.887	45	286200	9.617	ppbv	92
20) Methylene Chloride	2.069	84	313879	16.539	ppbv	99
21) Allyl Chloride	2.104	41	311066	17.632	ppbv	96
22) trans-1,2-Dichloroethene	2.350	96	471621	18.044	ppbv	98
23) Vinyl Acetate	2.470	43	253214	13.346	ppbv	98
24) 1,1-Dichloroethane	2.418	63	628058	17.801	ppbv	99
25) Ethyl Acetate	5.004	43	623852	14.325	ppbv #	99
26) Hexane	2.839	57	595417	14.098	ppbv	99
27) Carbon Disulfide	2.159	76	845886	19.454	ppbv	99
28) Methyl tert-Butyl Ether	2.447	73	503238	15.875	ppbv	100
29) Chloroform	2.858	83	920141	14.232	ppbv	99
30) Cyclohexane	3.875	84	690006	14.539	ppbv	100
31) cis-1,2-Dichloroethene	2.732	61	560017	14.309	ppbv	97
32) 1,1,1-Trichloroethane	3.383	97	932381	14.665	ppbv	100
34) 2-Butanone	2.564	43	642196	13.768	ppbv	99
35) Carbon Tetrachloride	3.781	117	989226	15.944	ppbv	100
36) Benzene	3.671	78	1490264	14.228	ppbv	100
37) 1,2-Dichloroethane	3.230	62	551376	14.572	ppbv	100
38) Trichloroethene	4.567	130	794408	14.625	ppbv	100
39) 1,2-Dichloropropane	4.331	63	485752	14.554	ppbv	98
40) 1,4-Dioxane	4.600	88	290806	14.441	ppbv #	94
41) Tetrahydrofuran	3.062	42	407196	14.486	ppbv	100
42) Bromodichloromethane	4.509	83	963584	15.774	ppbv	98
43) Methyl Methacrylate	4.901	69	562691	14.915	ppbv	100
44) 2,2,4-Trimethylpentane	4.661	57	2061284	14.138	ppbv	100
45) t-1,3-Dichloropropene	6.438	75	558104	15.110	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.626	75	749534	15.333	ppbv	98
47) 1,1,2-Trichloroethane	6.606	97	639329	14.386	ppbv	98
48) Dibromochloromethane	7.412	129	1042907	16.286	ppbv	100
49) Bromoform	9.503	173	1053854	17.201	ppbv	99
50) 4-Methyl-2-Pentanone	5.774	43	964314	14.413	ppbv	99
51) 2-Hexanone	7.458	43	766412	13.928	ppbv	100
52) Tetrachloroethene	8.247	164	790697	14.248	ppbv	99
53) Toluene	6.959	91	1841601	14.307	ppbv	99
54) 1,2-Dibromoethane	7.674	107	903522	14.873	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.946	131	855322	15.331	ppbv	99
57) Chlorobenzene	8.943	112	1547656	14.174	ppbv	99
58) Ethyl Benzene	9.377	91	2270364	14.138	ppbv	98
59) m/p-Xylene	9.574	91	3485693m	28.333	ppbv	
60) o-Xylene	9.985	91	1742693	14.284	ppbv	100
61) Styrene	9.891	104	1035943	15.383	ppbv	100
62) Isopropylbenzene	10.558	105	2776128	13.793	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.982	83	1126779	14.274	ppbv	100
64) n-propylbenzene	11.008	120	878575	14.826	ppbv	93
65) tert-Butylbenzene	11.549	119	2671424	14.002	ppbv	98
66) Benzyl Chloride	10.921	91	1943095	14.202	ppbv	99
67) sec-Butylbenzene	11.785	105	3339897	13.524	ppbv	97
69) p-Isopropyltoluene	11.944	119	2992965	14.051	ppbv	98
70) n-Butylbenzene	12.300	91	2543438	14.388	ppbv	98
71) 2-Chlorotoluene	10.921	91	1943095	14.202	ppbv	99
72) 4-Ethyltoluene	11.144	105	2292986	14.555	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	1902799	14.930	ppbv	96
74) 1,2,4-Trimethylbenzene	11.555	105	2075220	14.978	ppbv	95
75) 1,3-Dichlorobenzene	11.626	146	1599846	14.449	ppbv	99
76) 1,4-Dichlorobenzene	11.691	146	1592044	14.558	ppbv	98
77) 1,2-Dichlorobenzene	11.966	146	1514587	14.446	ppbv	99
78) Hexachloro-1,3-Butadiene	13.898	225	1182302	13.719	ppbv	100
79) Naphthalene	13.529	128	1921154	16.200	ppbv	99
80) Naphthalene,2-methyl-	14.478	142	1125481	26.231	ppbv	100
81) 1,2,4-Trichlorobenzene	13.458	180	1170914	15.681	ppbv	100

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

