

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102122\
 Data File : VL039746.D
 Acq On : 21 Oct 2022 15:04
 Operator : SY/AP
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/24/2022
 Supervised By :Mahesh Dadoda 10/24/2022

Quant Time: Oct 21 15:35:22 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102122AIR.M

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

QLast Update : Fri Oct 21 14:16:04 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.202	49	897653	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2725356	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2624727	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1801776 9.196 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 92.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	1382631	13.286	ppbv	99
3) Chlorodifluoromethane	2.694	51	1813264	17.022	ppbv	99
4) Chloromethane	2.832	50	1151734	17.917	ppbv	93
5) Vinyl Chloride	2.938	62	972961	18.159	ppbv	97
6) Bromomethane	3.137	94	341647	17.289	ppbv	95
7) Chloroethane	3.214	64	368105	18.785	ppbv	90
8) Dichlorotetrafluoroethane	2.874	85	1905404	15.264	ppbv	97
9) Propene	2.710	41	901788	18.535	ppbv	98
10) Heptane	7.581	43	2160574	19.031	ppbv	99
11) Trichlorofluoromethane	3.578	101	2193604	17.021	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.079	101	1742657	17.903	ppbv	99
13) Ethanol	3.263	45	52308m	14.111	ppbv	
14) Bromoethene	3.382	108	713439	18.359	ppbv	97
15) Acetone	3.481	43	1711431	17.134	ppbv	99
16) 1,3-Butadiene	3.002	39	959236	18.930	ppbv	96
17) tert-Butyl alcohol	3.890	59	1648962	18.396	ppbv	99
18) 1,1-Dichloroethene	3.893	96	767593	17.922	ppbv	100
19) Isopropyl Alcohol	3.587	45	972856	19.107	ppbv #	97
20) Methylene Chloride	3.944	84	657278	14.232	ppbv	98
21) Allyl Chloride	4.009	41	1265437	18.605	ppbv	95
22) trans-1,2-Dichloroethene	4.456	96	828609	19.557	ppbv	97
23) Vinyl Acetate	4.636	43	790174	17.500	ppbv #	98
24) 1,1-Dichloroethane	4.575	63	1666782	18.537	ppbv	99
25) Ethyl Acetate	5.211	43	3456811	15.871	ppbv	99
26) Hexane	5.221	57	1430990	15.482	ppbv	97
27) Carbon Disulfide	4.137	76	2026986	20.867	ppbv	99
28) Methyl tert-Butyl Ether	4.597	73	1438846	18.529	ppbv	100
29) Chloroform	5.282	83	2226679	16.687	ppbv	97
30) Cyclohexane	6.607	84	1318953	18.427	ppbv	97
31) cis-1,2-Dichloroethene	5.086	61	1325184	15.852	ppbv	96
32) 1,1,1-Trichloroethane	6.009	97	2289833	18.956	ppbv	98
34) 2-Butanone	4.796	43	2000046	14.941	ppbv	100
35) Carbon Tetrachloride	6.497	117	2388555	16.509	ppbv	99
36) Benzene	6.375	78	3334956	16.006	ppbv	98
37) 1,2-Dichloroethane	5.812	62	1760665	15.526	ppbv	100
38) Trichloroethene	7.291	130	1873005	16.633	ppbv	95
39) 1,2-Dichloropropane	7.076	63	1272240	15.812	ppbv	98
40) 1,4-Dioxane	7.291	88	413130m	12.575	ppbv	
41) Tetrahydrofuran	5.562	42	1390026	16.926	ppbv	99
42) Bromodichloromethane	7.250	83	2567689	16.278	ppbv	98
43) Methyl Methacrylate	7.478	69	1342649	17.677	ppbv	98
44) 2,2,4-Trimethylpentane	7.327	57	5467453	15.224	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	1281119m	19.960	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.144	75	1734788m	18.986	ppbv	
47) 1,1,2-Trichloroethane	8.899	97	1361055	15.476	ppbv	96
48) Dibromochloromethane	9.706	129	2271650	17.153	ppbv	99
49) Bromoform	12.401	173	1916518	17.497	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	3525384	16.760	ppbv	100
51) 2-Hexanone	9.549	43	2736555	17.574	ppbv #	98
52) Tetrachloroethene	10.610	164	1233395	15.516	ppbv	95
53) Toluene	9.217	91	3885348	16.766	ppbv	99
54) 1,2-Dibromoethane	10.005	107	1554426	16.522	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.504	131	1602292	15.106	ppbv	97
57) Chlorobenzene	11.523	112	2865606	14.847	ppbv	97
58) Ethyl Benzene	12.085	91	5022842	16.597	ppbv	98
59) m/p-Xylene	12.368	91	8358303m	31.034	ppbv	
60) o-Xylene	13.057	91	4038313	15.702	ppbv	98
61) Styrene	12.893	104	2510191	18.122	ppbv	98
62) Isopropylbenzene	14.024	105	5776841	14.927	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.044	83	1436945	14.007	ppbv	100
64) n-propylbenzene	14.912	120	1519133	15.329	ppbv	99
65) tert-Butylbenzene	16.089	119	5033351	14.721	ppbv	100
66) Benzyl Chloride	16.320	91	426609	15.670	ppbv	99
67) sec-Butylbenzene	16.635	105	7065306	14.732	ppbv	100
69) p-Isopropyltoluene	16.989	119	5842738	14.827	ppbv	99
70) n-Butylbenzene	17.883	91	5783548	14.972	ppbv	100
71) 2-Chlorotoluene	14.796	91	4314746	15.442	ppbv	99
72) 4-Ethyltoluene	15.191	105	4587719	15.625	ppbv	97
73) 1,3,5-Trimethylbenzene	15.349	105	4151700	15.453	ppbv	96
74) 1,2,4-Trimethylbenzene	16.105	105	4448625	14.772	ppbv	98
75) 1,3-Dichlorobenzene	16.326	146	2670791	14.863	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	2601257	14.471	ppbv	99
77) 1,2-Dichlorobenzene	17.137	146	2504981m	14.295	ppbv	
78) Hexachloro-1,3-Butadiene	22.625	225	1629905	12.173	ppbv	99
79) Naphthalene	21.371	128	3296753	16.588	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	1377936	18.439	ppbv	97
81) 1,2,4-Trichlorobenzene	21.133	180	1848430	14.160	ppbv #	100

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

