

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110222\
 Data File : VL039817.D
 Acq On : 2 Nov 2022 15:13
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110222

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/03/2022
 Supervised By :Mahesh Dadoda 11/03/2022

Quant Time: Nov 03 14:37:52 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

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

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1069867	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2931541	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2803354m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2150854 10.250 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.742	85	1507952	8.349	ppbv	100
3) Chlorodifluoromethane	2.687	51	1151725	9.030	ppbv	100
4) Chloromethane	2.825	50	714729	9.000	ppbv	98
5) Vinyl Chloride	2.932	62	610898	9.501	ppbv	99
6) Bromomethane	3.128	94	213912	9.327	ppbv	95
7) Chloroethane	3.208	64	204898	8.504	ppbv	99
8) Dichlorotetrafluoroethane	2.870	85	1361457	8.844	ppbv	99
9) Propene	2.706	41	586365	8.824	ppbv	99
10) Heptane	7.571	43	1425745	8.956	ppbv	100
11) Trichlorofluoromethane	3.571	101	1324196	8.989	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.073	101	934477	8.783	ppbv	97
13) Ethanol	3.253	45	38694m	8.239	ppbv	
14) Bromoethene	3.375	108	430477	9.036	ppbv	100
15) Acetone	3.478	43	1007378	7.736	ppbv	100
16) 1,3-Butadiene	2.996	39	573072	9.463	ppbv	94
17) tert-Butyl alcohol	3.883	59	1110577	8.955	ppbv	98
18) 1,1-Dichloroethene	3.886	96	442069	9.062	ppbv	97
19) Isopropyl Alcohol	3.584	45	554120	8.597	ppbv	93
20) Methylene Chloride	3.938	84	372030	7.986	ppbv	98
21) Allyl Chloride	4.002	41	752476	9.135	ppbv	96
22) trans-1,2-Dichloroethene	4.449	96	444692	8.982	ppbv	97
23) Vinyl Acetate	4.629	43	429575	8.280	ppbv	97
24) 1,1-Dichloroethane	4.565	63	941298	8.883	ppbv	99
25) Ethyl Acetate	5.205	43	2414787	9.002	ppbv	99
26) Hexane	5.211	57	1047768	8.761	ppbv	99
27) Carbon Disulfide	4.128	76	1129178	8.991	ppbv	98
28) Methyl tert-Butyl Ether	4.591	73	947366	8.751	ppbv	100
29) Chloroform	5.272	83	1554892	9.246	ppbv	98
30) Cyclohexane	6.597	84	899791	8.997	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	1018252	9.337	ppbv	96
32) 1,1,1-Trichloroethane	6.002	97	1567352	9.362	ppbv	99
34) 2-Butanone	4.790	43	1072919	8.872	ppbv	98
35) Carbon Tetrachloride	6.488	117	1627427	9.524	ppbv	99
36) Benzene	6.365	78	2241051	9.063	ppbv	98
37) 1,2-Dichloroethane	5.803	62	1135714	9.572	ppbv	99
38) Trichloroethene	7.285	130	1237905	9.352	ppbv	98
39) 1,2-Dichloropropane	7.066	63	870821	9.038	ppbv	96
40) 1,4-Dioxane	7.279	88	333766	9.046	ppbv #	1
41) Tetrahydrofuran	5.555	42	910953	9.013	ppbv	99
42) Bromodichloromethane	7.240	83	1760259	9.289	ppbv	99
43) Methyl Methacrylate	7.468	69	927413	9.490	ppbv	99
44) 2,2,4-Trimethylpentane	7.317	57	3724361	8.923	ppbv	100
45) t-1,3-Dichloropropene	8.700	75	921757	9.846	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110222\
 Data File : VL039817.D
 Acq On : 2 Nov 2022 15:13
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL110222

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/03/2022
 Supervised By :Mahesh Dadoda 11/03/2022

Quant Time: Nov 03 14:37:52 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

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

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	1233398	9.652	ppbv	100
47) 1,1,2-Trichloroethane	8.890	97	884642	9.067	ppbv	96
48) Dibromochloromethane	9.697	129	1512853	9.100	ppbv	100
49) Bromoform	12.394	173	1165076	8.719	ppbv	100
50) 4-Methyl-2-Pentanone	8.176	43	2309265	9.327	ppbv	99
51) 2-Hexanone	9.539	43	1819599	9.425	ppbv #	98
52) Tetrachloroethene	10.600	164	776891	8.385	ppbv	99
53) Toluene	9.211	91	2548324	8.983	ppbv	100
54) 1,2-Dibromoethane	9.996	107	1043656	9.639	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.497	131	1047760	8.742	ppbv	98
57) Chlorobenzene	11.516	112	1880728	8.845	ppbv	98
58) Ethyl Benzene	12.076	91	3341084m	8.815	ppbv	
59) m/p-Xylene	12.365	91	5434191m	17.175	ppbv	
60) o-Xylene	13.047	91	2581146	8.611	ppbv	100
61) Styrene	12.886	104	1644515	8.915	ppbv	100
62) Isopropylbenzene	14.018	105	3729512	8.529	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	902263	8.083	ppbv	100
64) n-propylbenzene	14.905	120	996363	8.518	ppbv	98
65) tert-Butylbenzene	16.079	119	3131534	8.156	ppbv	99
66) Benzyl Chloride	16.317	91	353430	7.917	ppbv	99
67) sec-Butylbenzene	16.626	105	4319136	8.264	ppbv	99
69) p-Isopropyltoluene	16.986	119	3559191	8.210	ppbv	100
70) n-Butylbenzene	17.876	91	3541985	8.451	ppbv	99
71) 2-Chlorotoluene	14.786	91	2770651	8.433	ppbv	99
72) 4-Ethyltoluene	15.185	105	2941093	8.713	ppbv	98
73) 1,3,5-Trimethylbenzene	15.343	105	2570736	8.591	ppbv	97
74) 1,2,4-Trimethylbenzene	16.098	105	2697635	8.485	ppbv	96
75) 1,3-Dichlorobenzene	16.317	146	1555608	8.380	ppbv	99
76) 1,4-Dichlorobenzene	16.462	146	1511765	8.299	ppbv	99
77) 1,2-Dichlorobenzene	17.130	146	1478646	8.450	ppbv	99
78) Hexachloro-1,3-Butadiene	22.619	225	1033107	7.968	ppbv	99
79) Naphthalene	21.368	128	2290547	9.910	ppbv	98
80) Naphthalene,2-methyl-	24.368	142	872884	8.907	ppbv	98
81) 1,2,4-Trichlorobenzene	21.127	180	1178450	9.114	ppbv	99

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

