

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102422\
 Data File : VL039758.D
 Acq On : 24 Oct 2022 13:55
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/26/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 24 16:47:44 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M

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

QLast Update : Sat Oct 22 02:12:34 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1014889	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2673261	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2506925m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1788276 10.049 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	807867	4.754	ppbv	99
3) Chlorodifluoromethane	2.693	51	1170671	9.053	ppbv	99
4) Chloromethane	2.832	50	732847	9.058	ppbv	97
5) Vinyl Chloride	2.938	62	615156	9.685	ppbv	97
6) Bromomethane	3.137	94	222400	9.455	ppbv	97
7) Chloroethane	3.214	64	224038	9.517	ppbv	91
8) Dichlorotetrafluoroethane	2.877	85	1294305	8.209	ppbv	99
9) Propene	2.713	41	523809	8.872	ppbv	94
10) Heptane	7.581	43	1359965	9.926	ppbv	100
11) Trichlorofluoromethane	3.578	101	1436686	9.082	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.079	101	1146718	9.011	ppbv	98
13) Ethanol	3.259	45	37438m	9.306	ppbv	
14) Bromoethene	3.382	108	452547	9.335	ppbv	99
15) Acetone	3.484	43	1099489	8.973	ppbv	100
16) 1,3-Butadiene	3.002	39	596118	9.692	ppbv	99
17) tert-Butyl alcohol	3.890	59	1078933	10.363	ppbv	100
18) 1,1-Dichloroethene	3.896	96	499827	9.153	ppbv	97
19) Isopropyl Alcohol	3.587	45	623847	10.424	ppbv	98
20) Methylene Chloride	3.947	84	419081	8.506	ppbv	97
21) Allyl Chloride	4.012	41	782580	9.253	ppbv	97
22) trans-1,2-Dichloroethene	4.455	96	524290	9.457	ppbv	96
23) Vinyl Acetate	4.639	43	443609	8.579	ppbv	98
24) 1,1-Dichloroethane	4.574	63	1065966	9.042	ppbv	100
25) Ethyl Acetate	5.214	43	2440089	9.939	ppbv	99
26) Hexane	5.221	57	1020685	10.208	ppbv	98
27) Carbon Disulfide	4.137	76	1268129	10.129	ppbv	95
28) Methyl tert-Butyl Ether	4.597	73	900097	9.493	ppbv	99
29) Chloroform	5.282	83	1519014	9.477	ppbv	95
30) Cyclohexane	6.606	84	847554	10.083	ppbv	97
31) cis-1,2-Dichloroethene	5.086	61	953101	10.630	ppbv	96
32) 1,1,1-Trichloroethane	6.008	97	1461097	10.510	ppbv	99
34) 2-Butanone	4.796	43	1249718	10.135	ppbv	98
35) Carbon Tetrachloride	6.497	117	1578614	11.394	ppbv	97
36) Benzene	6.375	78	2135931	10.587	ppbv	98
37) 1,2-Dichloroethane	5.812	62	1126258	10.363	ppbv	100
38) Trichloroethene	7.291	130	1220374	11.278	ppbv	97
39) 1,2-Dichloropropane	7.076	63	807368	10.432	ppbv	95
40) 1,4-Dioxane	7.291	88	271559	9.160	ppbv #	1
41) Tetrahydrofuran	5.561	42	882371	11.161	ppbv	100
42) Bromodichloromethane	7.250	83	1658784	11.114	ppbv	99
43) Methyl Methacrylate	7.478	69	839312	11.565	ppbv	98
44) 2,2,4-Trimethylpentane	7.330	57	3572676	10.451	ppbv	99
45) t-1,3-Dichloropropene	8.709	75	778700	12.962	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102422\
 Data File : VL039758.D
 Acq On : 24 Oct 2022 13:55
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/26/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 24 16:47:44 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Sat Oct 22 02:12:34 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1071707	12.594	ppbv	96
47) 1,1,2-Trichloroethane	8.899	97	870373	10.356	ppbv	97
48) Dibromochloromethane	9.709	129	1479716	11.670	ppbv	99
49) Bromoform	12.397	173	1248948	12.236	ppbv	97
50) 4-Methyl-2-Pentanone	8.182	43	2244046	11.162	ppbv	99
51) 2-Hexanone	9.548	43	1707648	11.850	ppbv #	99
52) Tetrachloroethene	10.613	164	803318	11.030	ppbv	97
53) Toluene	9.217	91	2487247	11.417	ppbv	100
54) 1,2-Dibromoethane	10.005	107	987066	11.679	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.500	131	1063653	10.454	ppbv	98
57) Chlorobenzene	11.523	112	1862576	10.127	ppbv	98
58) Ethyl Benzene	12.085	91	3226492	11.143	ppbv	100
59) m/p-Xylene	12.368	91	5472795m	21.385	ppbv	
60) o-Xylene	13.056	91	2623090	10.715	ppbv	98
61) Styrene	12.892	104	1576988	12.312	ppbv	99
62) Isopropylbenzene	14.024	105	3826591	10.494	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.040	83	910238	9.729	ppbv	98
64) n-propylbenzene	14.912	120	966117	10.546	ppbv	95
65) tert-Butylbenzene	16.082	119	3318727	10.389	ppbv	99
66) Benzyl Chloride	16.323	91	257247	11.525	ppbv #	96
67) sec-Butylbenzene	16.629	105	4620577	10.455	ppbv	100
69) p-Isopropyltoluene	16.992	119	3834391	10.766	ppbv	99
70) n-Butylbenzene	17.879	91	3708995	10.821	ppbv	100
71) 2-Chlorotoluene	14.793	91	2764557	10.654	ppbv	99
72) 4-Ethyltoluene	15.188	105	3027233	11.080	ppbv	98
73) 1,3,5-Trimethylbenzene	15.346	105	2739137	10.768	ppbv	93
74) 1,2,4-Trimethylbenzene	16.101	105	2866070	10.257	ppbv	96
75) 1,3-Dichlorobenzene	16.323	146	1729694	10.337	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	1671416	10.224	ppbv	99
77) 1,2-Dichlorobenzene	17.137	146	1608072	9.888	ppbv	99
78) Hexachloro-1,3-Butadiene	22.622	225	1078469	9.178	ppbv	97
79) Naphthalene	21.368	128	2091034	12.783	ppbv	98
80) Naphthalene,2-methyl-	24.368	142	684089	14.004	ppbv	93
81) 1,2,4-Trichlorobenzene	21.130	180	1183333	10.797	ppbv #	100

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

