

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100421\
 Data File : VL037764.D
 Acq On : 4 Oct 2021 16:38
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/05/2021
 Supervised By :Semsettin Yesilyurt 10/05/2021

Quant Time: Oct 04 17:33:08 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:33:08 2021

QLast Update : Mon Oct 04 12:52:19 2021

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	1461998	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	4332965	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	4070410	10.00	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.417 95 2845444 9.67 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.051	85	2555294m	9.66	ppbv	
3) Chlorodifluoromethane	2.989	51	3761589	13.64	ppbv	98
4) Chloromethane	3.144	50	1428600	14.02	ppbv	94
5) Vinyl Chloride	3.260	62	1439278	15.04	ppbv	96
6) Bromomethane	3.475	94	734034	13.20	ppbv	99
7) Chloroethane	3.562	64	495842	13.86	ppbv	97
8) Dichlorotetrafluoroethane	3.189	85	3090034	13.54	ppbv	100
9) Propene	3.012	41	1387528	14.26	ppbv	100
10) Heptane	8.124	43	3466207	15.27	ppbv	99
11) Trichlorofluoromethane	3.951	101	2911777	13.71	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.488	101	2188212	13.96	ppbv	99
13) Ethanol	3.613	45	121922m	12.81	ppbv	
14) Bromoethene	3.742	108	1000780	14.02	ppbv	95
15) Acetone	3.851	43	1719779	11.32	ppbv	99
16) 1,3-Butadiene	3.330	39	1402161	14.77	ppbv	100
17) tert-Butyl alcohol	4.288	59	1771304	13.75	ppbv	100
18) 1,1-Dichloroethene	4.292	96	1006876	13.79	ppbv	94
19) Isopropyl Alcohol	3.964	45	1089478	13.18	ppbv #	96
20) Methylene Chloride	4.346	84	865975	11.94	ppbv	96
21) Allyl Chloride	4.414	41	1624033	14.31	ppbv	97
22) trans-1,2-Dichloroethene	4.886	96	1060748	14.44	ppbv	96
23) Vinyl Acetate	5.073	43	2631264	12.52	ppbv	98
24) 1,1-Dichloroethane	5.012	63	2076374	13.79	ppbv	99
25) Ethyl Acetate	5.681	43	5304272	14.42	ppbv	99
26) Hexane	5.690	57	2511803	14.37	ppbv	99
27) Carbon Disulfide	4.552	76	2584102	16.16	ppbv	99
28) Methyl tert-Butyl Ether	5.034	73	2129761	13.84	ppbv	98
29) Chloroform	5.755	83	3589458	14.07	ppbv	97
30) Cyclohexane	7.137	84	2123558	14.21	ppbv	99
31) cis-1,2-Dichloroethene	5.552	61	2426105	15.29	ppbv	98
32) 1,1,1-Trichloroethane	6.517	97	3480562	14.65	ppbv	99
34) 2-Butanone	5.247	43	2437268	13.84	ppbv	100
35) Carbon Tetrachloride	7.025	117	3600046	14.69	ppbv	98
36) Benzene	6.896	78	5251338	14.53	ppbv	99
37) 1,2-Dichloroethane	6.311	62	2545133	14.32	ppbv	100
38) Trichloroethene	7.841	130	2072055	13.73	ppbv	96
39) 1,2-Dichloropropane	7.616	63	2023680	14.62	ppbv	94
40) 1,4-Dioxane	7.838	88	468151m	13.91	ppbv	
41) Tetrahydrofuran	6.050	42	1278121	15.44	ppbv	99
42) Bromodichloromethane	7.796	83	3803732	14.93	ppbv	97
43) Methyl Methacrylate	8.018	69	1942266	16.16	ppbv	98
44) 2,2,4-Trimethylpentane	7.874	57	8523257	14.03	ppbv	98
45) t-1,3-Dichloropropene	9.282	75	1516908	16.07	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100421\
 Data File : VL037764.D
 Acq On : 4 Oct 2021 16:38
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/05/2021
 Supervised By :Semsettin Yesilyurt 10/05/2021

Quant Time: Oct 04 17:33:08 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Oct 04 17:33:08 2021

QLast Update : Mon Oct 04 12:52:19 2021

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.706	75	1965538	15.41	ppbv	98
47) 1,1,2-Trichloroethane	9.478	97	2135106	13.95	ppbv	98
48) Dibromochloromethane	10.307	129	3399314	15.92	ppbv	100
49) Bromoform	13.044	173	2765634	16.18	ppbv	97
50) 4-Methyl-2-Pentanone	8.745	43	3565127	15.95	ppbv	100
51) 2-Hexanone	10.137	43	1720005	17.44	ppbv #	99
52) Tetrachloroethene	11.227	164	1921114	13.85	ppbv	97
53) Toluene	9.809	91	6111375	15.22	ppbv	100
54) 1,2-Dibromoethane	10.613	107	3023884	14.43	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.131	131	2304796	13.65	ppbv #	71
57) Chlorobenzene	12.153	112	4375827	12.93	ppbv	99
58) Ethyl Benzene	12.713	91	7696619	14.24	ppbv	98
59) m/p-Xylene	12.999	91	12713864m	27.00	ppbv	
60) o-Xylene	13.700	91	5999291	13.39	ppbv	100
61) Styrene	13.529	104	3489751	15.79	ppbv	100
62) Isopropylbenzene	14.671	105	8343611	13.33	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.677	83	4272565	12.18	ppbv	99
64) n-propylbenzene	15.561	120	2270873	14.06	ppbv	92
65) tert-Butylbenzene	16.745	119	7138434	12.65	ppbv	100
66) Benzyl Chloride	16.989	91	444813	14.42	ppbv #	99
67) sec-Butylbenzene	17.294	105	9985869	13.04	ppbv	99
69) p-Isopropyltoluene	17.654	119	8282580	13.24	ppbv	99
70) n-Butylbenzene	18.552	91	8077105	13.64	ppbv	98
71) 2-Chlorotoluene	15.455	91	6109206	13.62	ppbv	99
72) 4-Ethyltoluene	15.841	105	7369232	14.32	ppbv	99
73) 1,3,5-Trimethylbenzene	15.999	105	6514581	13.59	ppbv	96
74) 1,2,4-Trimethylbenzene	16.767	105	6530534	12.93	ppbv	98
75) 1,3-Dichlorobenzene	16.999	146	4082408	13.01	ppbv	99
76) 1,4-Dichlorobenzene	17.140	146	3912140	12.64	ppbv	99
77) 1,2-Dichlorobenzene	17.818	146	3897014	13.09	ppbv	100
78) Hexachloro-1,3-Butadiene	23.371	225	2707753	10.81	ppbv	99
79) Naphthalene	22.191	128	4672627	15.07	ppbv	98
80) Naphthalene,2-methyl-	24.969	142	1229440	17.34	ppbv	97
81) 1,2,4-Trichlorobenzene	21.921	180	2816887	14.15	ppbv	99

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

