

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038959.D
 Acq On : 5 May 2022 4:01
 Operator : SY/AP
 Sample : VSTDICC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Quant Time: May 05 05:03:22 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Thu May 05 04:53:24 2022

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 05/07/2022
 Supervised By : Mahesh Dadoda 05/09/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1370541	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3277609	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2992669	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2332483	9.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	263422	1.189 ppbv	97
3) Chlorodifluoromethane	2.99	51	182899	0.758 ppbv	96
4) Chloromethane	3.14	50	85448	0.953 ppbv	100
5) Vinyl Chloride	3.26	62	74548	0.813 ppbv	98
6) Bromomethane	3.48	94	37408	0.765 ppbv	93
7) Chloroethane	3.56	64	26095	0.834 ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	202236	0.960 ppbv	97
9) Propene	3.01	41	77811	0.983 ppbv	98
10) Heptane	8.11	43	183171	0.904 ppbv	100
11) Trichlorofluoromethane	3.95	101	184607	0.837 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	128560	0.902 ppbv	94
13) Ethanol	3.62	45	7009m	0.809 ppbv	
14) Bromoethene	3.74	108	55897	0.943 ppbv	99
15) Acetone	3.86	43	126420	0.934 ppbv	94
16) 1,3-Butadiene	3.33	39	72623	0.805 ppbv	98
17) tert-Butyl alcohol	4.29	59	98428m	0.864 ppbv	
18) 1,1-Dichloroethene	4.29	96	56253m	0.893 ppbv	
19) Isopropyl Alcohol	3.97	45	64438	0.892 ppbv	# 94
20) Methylene Chloride	4.34	84	53805m	0.882 ppbv	
21) Allyl Chloride	4.41	41	79042	0.762 ppbv	87
22) trans-1,2-Dichloroethene	4.88	96	59889	1.003 ppbv	86
23) Vinyl Acetate	5.07	43	92827	0.451 ppbv	# 90
24) 1,1-Dichloroethane	5.01	63	120992	0.764 ppbv	99
25) Ethyl Acetate	5.68	43	312923	0.976 ppbv	98
26) Hexane	5.68	57	132492	0.907 ppbv	90
27) Carbon Disulfide	4.55	76	124464	0.864 ppbv	95
28) Methyl tert-Butyl Ether	5.04	73	99347	0.616 ppbv	93
29) Chloroform	5.74	83	227670	0.959 ppbv	95
30) Cyclohexane	7.13	84	117640	0.994 ppbv	# 67
31) cis-1,2-Dichloroethene	5.55	61	141847	0.994 ppbv	94
32) 1,1,1-Trichloroethane	6.50	97	214670	0.898 ppbv	96
34) 2-Butanone	5.25	43	164387	1.010 ppbv	94
35) Carbon Tetrachloride	7.01	117	225792	0.898 ppbv	93
36) Benzene	6.88	78	291986	0.976 ppbv	# 92
37) 1,2-Dichloroethane	6.30	62	179489	1.003 ppbv	100
38) Trichloroethene	7.83	130	131587m	1.099 ppbv	
39) 1,2-Dichloropropane	7.60	63	114931	0.949 ppbv	93
40) 1,4-Dioxane	7.84	88	43702m	1.406 ppbv	
41) Tetrahydrofuran	6.06	42	112255	1.389 ppbv	97
42) Bromodichloromethane	7.78	83	232810	0.957 ppbv	100
43) Methyl Methacrylate	8.01	69	112416	1.090 ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	522813	0.988	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	91211m	0.780	ppbv	
46) cis-1,3-Dichloropropene	8.70	75	137948m	0.928	ppbv	
47) 1,1,2-Trichloroethane	9.47	97	113543	0.921	ppbv	94
48) Dibromochloromethane	10.29	129	180132m	0.950	ppbv	
49) Bromoform	13.02	173	137076	0.904	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	307406m	1.264	ppbv	
51) 2-Hexanone	10.13	43	187062	1.359	ppbv #	90
52) Tetrachloroethene	11.21	164	98975	0.896	ppbv	99
53) Toluene	9.79	91	321339	1.006	ppbv	99
54) 1,2-Dibromoethane	10.60	107	158699m	0.914	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	134212	0.996	ppbv #	1
57) Chlorobenzene	12.13	112	237268	0.948	ppbv	97
58) Ethyl Benzene	12.70	91	453605	1.054	ppbv	92
59) m/p-Xylene	12.98	91	775017m	2.060	ppbv	
60) o-Xylene	13.67	91	375963	1.034	ppbv	96
61) Styrene	13.51	104	181094	1.000	ppbv	98
62) Isopropylbenzene	14.65	105	534078	1.079	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	213880m	0.785	ppbv	
64) n-propylbenzene	15.55	120	126382m	1.047	ppbv	
65) tert-Butylbenzene	16.73	119	474168	1.103	ppbv	97
66) Benzyl Chloride	16.98	91	41413m	0.788	ppbv	
67) sec-Butylbenzene	17.28	105	685990m	1.124	ppbv	
69) p-Isopropyltoluene	17.64	119	553330	1.160	ppbv	98
70) n-Butylbenzene	18.53	91	575029m	1.150	ppbv	
71) 2-Chlorotoluene	15.44	91	411281	1.105	ppbv	98
72) 4-Ethyltoluene	15.82	105	412100	1.033	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	377590	1.015	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	412323	1.027	ppbv	94
75) 1,3-Dichlorobenzene	16.98	146	210796	0.937	ppbv	94
76) 1,4-Dichlorobenzene	17.12	146	207052	0.924	ppbv	95
77) 1,2-Dichlorobenzene	17.80	146	225378	1.058	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	219908	1.147	ppbv	99
79) Naphthalene	22.18	128	325449m	1.314	ppbv	
80) Naphthalene, 2-methyl-	24.96	142	74841	1.385	ppbv	97
81) 1,2,4-Trichlorobenzene	21.91	180	188537m	1.254	ppbv	

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

