

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030822\
 Data File : VL038555.D
 Acq On : 8 Mar 2022 12:26
 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: Mar 08 14:08:10 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822A

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

QLast Update : Tue Mar 08 13:53:01 2022

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 03/10/2022
 Supervised By : Mahesh Dadoda 03/14/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	908429	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2353909	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2141313	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1602027	9.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	146737	1.02	ppbv	94
3) Chlorodifluoromethane	2.98	51	169901	1.06	ppbv	98
4) Chloromethane	3.14	50	62756	1.13	ppbv	98
5) Vinyl Chloride	3.26	62	58802m	1.01	ppbv	
6) Bromomethane	3.47	94	33841m	1.10	ppbv	
7) Chloroethane	3.55	64	19515	1.04	ppbv	89
8) Dichlorotetrafluoroethane	3.19	85	144469	1.08	ppbv	100
9) Propene	3.01	41	59211	1.12	ppbv	99
10) Heptane	8.11	43	141364	1.10	ppbv	99
11) Trichlorofluoromethane	3.94	101	126356	0.92	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	98077	0.97	ppbv	100
13) Ethanol	3.62	45	7399m	1.40	ppbv	
14) Bromoethene	3.74	108	43142	1.07	ppbv	99
15) Acetone	3.85	43	68264m	0.88	ppbv	
16) 1,3-Butadiene	3.32	39	55614m	1.08	ppbv	
17) tert-Butyl alcohol	4.29	59	77235m	1.00	ppbv	
18) 1,1-Dichloroethene	4.29	96	43785	0.99	ppbv	98
19) Isopropyl Alcohol	3.98	45	49872m	1.11	ppbv	
20) Methylene Chloride	4.34	84	41402	1.08	ppbv	93
21) Allyl Chloride	4.41	41	59856	0.92	ppbv	92
22) trans-1,2-Dichloroethene	4.88	96	45653m	1.02	ppbv	
23) Vinyl Acetate	5.07	43	89505	0.87	ppbv	98
24) 1,1-Dichloroethane	5.00	63	85971	0.93	ppbv	98
25) Ethyl Acetate	5.68	43	223431	1.08	ppbv	98
26) Hexane	5.68	57	104032	1.11	ppbv	92
27) Carbon Disulfide	4.55	76	98358	0.94	ppbv #	94
28) Methyl tert-Butyl Ether	5.03	73	83240	0.87	ppbv	96
29) Chloroform	5.74	83	163055	1.06	ppbv	93
30) Cyclohexane	7.12	84	90006	1.17	ppbv #	78
31) cis-1,2-Dichloroethene	5.54	61	98377m	1.08	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	154163	1.00	ppbv	98
34) 2-Butanone	5.24	43	58977	0.80	ppbv	92
35) Carbon Tetrachloride	7.01	117	157327	0.95	ppbv	98
36) Benzene	6.88	78	223756	1.08	ppbv	97
37) 1,2-Dichloroethane	6.29	62	105461	0.88	ppbv	99
38) Trichloroethene	7.82	130	86988m	1.15	ppbv	
39) 1,2-Dichloropropane	7.60	63	85756	1.04	ppbv	96
40) 1,4-Dioxane	7.84	88	21329	1.09	ppbv	83
41) Tetrahydrofuran	6.06	42	51869m	1.04	ppbv	
42) Bromodichloromethane	7.78	83	166343	0.96	ppbv	98
43) Methyl Methacrylate	8.01	69	74083	1.03	ppbv	99

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44) 2,2,4-Trimethylpentane	7.85	57	389592	1.09	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	49223m	0.85	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	68776	0.91	ppbv	94
47) 1,1,2-Trichloroethane	9.46	97	88869m	1.08	ppbv	
48) Dibromochloromethane	10.29	129	134431	1.00	ppbv	100
49) Bromoform	13.02	173	99149	1.00	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	122695	0.94	ppbv	100
51) 2-Hexanone	10.14	43	53621m	0.92	ppbv	
52) Tetrachloroethene	11.21	164	77371	1.12	ppbv	96
53) Toluene	9.79	91	232943	1.04	ppbv	100
54) 1,2-Dibromoethane	10.59	107	118277m	1.02	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	92053	1.03	ppbv #	1
57) Chlorobenzene	12.13	112	170316	1.03	ppbv	98
58) Ethyl Benzene	12.69	91	292929	1.00	ppbv	97
59) m/p-Xylene	12.98	91	512959m	2.04	ppbv	
60) o-Xylene	13.68	91	238247	1.00	ppbv	99
61) Styrene	13.51	104	110175	1.00	ppbv	97
62) Isopropylbenzene	14.65	105	330165	1.03	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	180951	0.94	ppbv	97
64) n-propylbenzene	15.55	120	81262	1.03	ppbv	84
65) tert-Butylbenzene	16.73	119	298208	1.08	ppbv	96
66) Benzyl Chloride	16.97	91	15244m	1.02	ppbv	
67) sec-Butylbenzene	17.28	105	416988	1.06	ppbv	99
69) p-Isopropyltoluene	17.63	119	349426	1.14	ppbv	100
70) n-Butylbenzene	18.54	91	363975	1.14	ppbv	98
71) 2-Chlorotoluene	15.44	91	244516	1.00	ppbv	99
72) 4-Ethyltoluene	15.82	105	268643	1.03	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	256065m	1.08	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	276103	1.10	ppbv #	86
75) 1,3-Dichlorobenzene	16.98	146	168394m	1.20	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	166067m	1.20	ppbv	
77) 1,2-Dichlorobenzene	17.80	146	168723	1.25	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	178281	1.73	ppbv	99
79) Naphthalene	22.18	128	226138m	1.66	ppbv	
80) Naphthalene, 2-methyl-	24.97	142	30774m	1.16	ppbv	
81) 1,2,4-Trichlorobenzene	21.90	180	144044m	1.75	ppbv	

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

