

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038043.D
 Acq On : 16 Nov 2021 17:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Nov 17 07:42:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Nov 16 09:59:16 2021
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	865519	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2582071	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	2427576m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1792128	10.22	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1203690	6.836 ppbv	99
3) Chlorodifluoromethane	2.99	51	1484313	6.597 ppbv	100
4) Chloromethane	3.14	50	486100	6.071 ppbv	96
5) Vinyl Chloride	3.26	62	475310	6.185 ppbv	96
6) Bromomethane	3.47	94	244822	5.960 ppbv	97
7) Chloroethane	3.55	64	163669	6.055 ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	1105722	6.063 ppbv	99
9) Propene	3.01	41	508188	5.988 ppbv	99
10) Heptane	8.11	43	1277782	6.117 ppbv	99
11) Trichlorofluoromethane	3.94	101	1030449	5.923 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	745428	5.528 ppbv	98
13) Ethanol	3.60	45	55061m	7.319 ppbv	
14) Bromoethene	3.74	108	332571	5.899 ppbv	97
15) Acetone	3.84	43	549802	5.403 ppbv	99
16) 1,3-Butadiene	3.33	39	476307	6.321 ppbv	94
17) tert-Butyl alcohol	4.28	59	736088	5.386 ppbv	99
18) 1,1-Dichloroethene	4.28	96	333721	5.362 ppbv	98
19) Isopropyl Alcohol	3.96	45	401115	5.383 ppbv	# 41
20) Methylene Chloride	4.34	84	274673	4.602 ppbv	98
21) Allyl Chloride	4.40	41	526591	5.171 ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	365011	5.813 ppbv	99
23) Vinyl Acetate	5.06	43	907212	5.383 ppbv	99
24) 1,1-Dichloroethane	5.00	63	733424	5.579 ppbv	99
25) Ethyl Acetate	5.67	43	1821873	7.611 ppbv	99
26) Hexane	5.68	57	922535	7.671 ppbv	95
27) Carbon Disulfide	4.54	76	872508	5.532 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	753111	4.883 ppbv	98
29) Chloroform	5.74	83	1356764	7.490 ppbv	99
30) Cyclohexane	7.12	84	825090	6.092 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	882967	8.868 ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	1408662	6.129 ppbv	99
34) 2-Butanone	5.24	43	774433	9.093 ppbv	99
35) Carbon Tetrachloride	7.01	117	1431145	8.019 ppbv	98
36) Benzene	6.88	78	1996871	8.130 ppbv	98
37) 1,2-Dichloroethane	6.29	62	1002032	8.789 ppbv	99
38) Trichloroethene	7.82	130	713716	7.153 ppbv	98
39) 1,2-Dichloropropane	7.60	63	780043	8.216 ppbv	98
40) 1,4-Dioxane	7.82	88	185514	7.577 ppbv	# 100
41) Tetrahydrofuran	6.04	42	435711	7.130 ppbv	97
42) Bromodichloromethane	7.78	83	1516252	8.448 ppbv	100
43) Methyl Methacrylate	8.00	69	760110	8.676 ppbv	100

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44) 2,2,4-Trimethylpentane	7.86	57	3251185	7.705	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	531722	7.328	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	722650	7.621	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	812353	8.424	ppbv	97
48) Dibromochloromethane	10.29	129	1323393	8.440	ppbv	100
49) Bromoform	13.02	173	1028834	8.504	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	1291093	8.407	ppbv	100
51) 2-Hexanone	10.12	43	665284	9.278	ppbv #	100
52) Tetrachloroethene	11.21	164	679291	7.326	ppbv	96
53) Toluene	9.79	91	2325662	8.097	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1164016	8.615	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	875619	8.261	ppbv	97
57) Chlorobenzene	12.13	112	1677818	8.429	ppbv	98
58) Ethyl Benzene	12.69	91	3061938	8.305	ppbv	98
59) m/p-Xylene	12.98	91	4996434m	16.308	ppbv	
60) o-Xylene	13.67	91	2268005	7.975	ppbv	100
61) Styrene	13.51	104	1331880	8.399	ppbv	98
62) Isopropylbenzene	14.65	105	3395906	8.259	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	1686146	7.930	ppbv	99
64) n-propylbenzene	15.55	120	907649	8.659	ppbv	99
65) tert-Butylbenzene	16.73	119	2937069	8.140	ppbv	99
66) Benzyl Chloride	16.97	91	117763m	4.674	ppbv	
67) sec-Butylbenzene	17.27	105	4145954	8.318	ppbv	99
69) p-Isopropyltoluene	17.64	119	3440563	8.563	ppbv	99
70) n-Butylbenzene	18.53	91	3422640	9.292	ppbv	99
71) 2-Chlorotoluene	15.43	91	2546962	8.654	ppbv	98
72) 4-Ethyltoluene	15.82	105	2865115	8.449	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	2604782	8.398	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	2621530	8.395	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	1586463	9.205	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	1547329	8.764	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	1541505	9.327	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1011699	9.437	ppbv	99
79) Naphthalene	22.17	128	2103552	12.279	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	552293	17.075	ppbv	91
81) 1,2,4-Trichlorobenzene	21.90	180	1109276	11.450	ppbv	96

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

