

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030322\
 Data File : VL038531.D
 Acq On : 4 Mar 2022 2:19
 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: Mar 04 06:50:01 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222A

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

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 03/05/2022
 Supervised By :Mahesh Dadoda 03/07/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	847474	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.14	114	2012455	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.04	117	2000923	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1780976	10.76	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.03	85	2043282	15.222	ppbv	97
3) Chlorodifluoromethane	2.97	51	1685303	11.262	ppbv	98
4) Chloromethane	3.12	50	590545	11.357	ppbv	99
5) Vinyl Chloride	3.24	62	590975	10.872	ppbv	96
6) Bromomethane	3.45	94	325523	11.353	ppbv	100
7) Chloroethane	3.54	64	208648	11.951	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1513686	12.123	ppbv	95
9) Propene	2.99	41	536532	10.859	ppbv	98
10) Heptane	8.09	43	1451657	12.069	ppbv	99
11) Trichlorofluoromethane	3.93	101	1521480	11.839	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1128850	11.981	ppbv	98
13) Ethanol	3.58	45	46156m	9.360	ppbv	
14) Bromoethene	3.72	108	445117	11.859	ppbv	99
15) Acetone	3.83	43	756502	10.497	ppbv	99
16) 1,3-Butadiene	3.31	39	562407	11.683	ppbv	95
17) tert-Butyl alcohol	4.26	59	727813	10.122	ppbv	99
18) 1,1-Dichloroethene	4.26	96	478753	11.574	ppbv	97
19) Isopropyl Alcohol	3.94	45	392390	9.402	ppbv #	99
20) Methylene Chloride	4.32	84	395635	11.080	ppbv	97
21) Allyl Chloride	4.38	41	713011	11.714	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	504565	12.089	ppbv	98
23) Vinyl Acetate	5.04	43	1067133	11.173	ppbv	99
24) 1,1-Dichloroethane	4.98	63	1022776	11.911	ppbv	98
25) Ethyl Acetate	5.65	43	2288622	11.820	ppbv	99
26) Hexane	5.65	57	1022643	11.663	ppbv	99
27) Carbon Disulfide	4.52	76	1232213	12.634	ppbv	99
28) Methyl tert-Butyl Ether	5.00	73	1028037	11.511	ppbv	99
29) Chloroform	5.72	83	1692561	11.827	ppbv	97
30) Cyclohexane	7.10	84	853357	11.900	ppbv	98
31) cis-1,2-Dichloroethene	5.52	61	1025787	12.075	ppbv	98
32) 1,1,1-Trichloroethane	6.47	97	1658091	11.521	ppbv	99
34) 2-Butanone	5.21	43	787002	12.434	ppbv	98
35) Carbon Tetrachloride	6.98	117	1751187	12.375	ppbv	98
36) Benzene	6.85	78	2066995	11.667	ppbv	98
37) 1,2-Dichloroethane	6.27	62	1277746	12.481	ppbv	99
38) Trichloroethene	7.80	130	759327	11.767	ppbv	97
39) 1,2-Dichloropropane	7.57	63	832431	11.796	ppbv	98
40) 1,4-Dioxane	7.80	88	180288m	10.771	ppbv	
41) Tetrahydrofuran	6.02	42	516400	12.075	ppbv	99
42) Bromodichloromethane	7.75	83	1834208	12.407	ppbv	99
43) Methyl Methacrylate	7.98	69	787418	12.785	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	3644390	11.968	ppbv	99
45) t-1,3-Dichloropropene	9.24	75	609020	12.373	ppbv	98
46) cis-1,3-Dichloropropene	8.66	75	755693	11.714	ppbv	99
47) 1,1,2-Trichloroethane	9.44	97	853963	12.164	ppbv	97
48) Dibromochloromethane	10.26	129	1491053	12.989	ppbv	100
49) Bromoform	13.00	173	1167310	13.776	ppbv	98
50) 4-Methyl-2-Pentanone	8.70	43	1476109	13.191	ppbv	100
51) 2-Hexanone	10.10	43	660255	13.179	ppbv #	98
52) Tetrachloroethene	11.18	164	654521	11.129	ppbv	98
53) Toluene	9.76	91	2388344	12.416	ppbv	99
54) 1,2-Dibromoethane	10.57	107	1239416	12.541	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.09	131	994446	11.924	ppbv	94
57) Chlorobenzene	12.10	112	1722776	11.159	ppbv	96
58) Ethyl Benzene	12.67	91	3286927	12.013	ppbv	99
59) m/p-Xylene	12.95	91	5615693m	23.898	ppbv	
60) o-Xylene	13.65	91	2712258	12.210	ppbv	99
61) Styrene	13.48	104	1341364	13.092	ppbv	99
62) Isopropylbenzene	14.62	105	3566122	11.961	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.64	83	2015175	11.165	ppbv	99
64) n-propylbenzene	15.52	120	896830	12.149	ppbv	95
65) tert-Butylbenzene	16.70	119	3117249	12.071	ppbv	98
66) Benzyl Chloride	16.94	91	169965	12.181	ppbv	99
67) sec-Butylbenzene	17.25	105	4446396	12.153	ppbv	99
69) p-Isopropyltoluene	17.61	119	3575782	12.442	ppbv	99
70) n-Butylbenzene	18.51	91	3878725	13.042	ppbv	99
71) 2-Chlorotoluene	15.41	91	2805609	12.238	ppbv	98
72) 4-Ethyltoluene	15.80	105	3110024	12.707	ppbv	99
73) 1,3,5-Trimethylbenzene	15.95	105	2788711	12.547	ppbv	98
74) 1,2,4-Trimethylbenzene	16.72	105	2923227	12.457	ppbv	99
75) 1,3-Dichlorobenzene	16.95	146	1578134	12.007	ppbv	99
76) 1,4-Dichlorobenzene	17.10	146	1515670	11.694	ppbv	99
77) 1,2-Dichlorobenzene	17.77	146	1492679	11.798	ppbv	99
78) Hexachloro-1,3-Butadiene	23.33	225	1108902	11.493	ppbv	100
79) Naphthalene	22.14	128	1914244	15.055	ppbv	99
80) Naphthalene, 2-methyl-	24.93	142	280940	11.306	ppbv	97
81) 1,2,4-Trichlorobenzene	21.87	180	1080076	14.050	ppbv	99

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

