

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020122\
 Data File : VL038325.D
 Acq On : 1 Feb 2022 17:34
 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: Feb 02 06:49:56 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422A

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

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 02/07/2022
 Supervised By : Mahesh Dadoda 02/07/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	854320	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.14	114	2530542	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.04	117	2332460m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1820091	10.28	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	1613653	8.873	ppbv	98
3) Chlorodifluoromethane	2.97	51	1458922	8.578	ppbv	99
4) Chloromethane	3.13	50	481734	8.233	ppbv	96
5) Vinyl Chloride	3.24	62	488466	8.364	ppbv	98
6) Bromomethane	3.46	94	181987	5.764	ppbv	97
7) Chloroethane	3.54	64	170434	8.641	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1146922	8.150	ppbv	93
9) Propene	3.00	41	488791	8.829	ppbv	100
10) Heptane	8.09	43	1183423	8.308	ppbv	98
11) Trichlorofluoromethane	3.93	101	1127387	7.957	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	859432	8.025	ppbv	96
13) Ethanol	3.58	45	56336m	9.479	ppbv	
14) Bromoethene	3.72	108	354647	8.474	ppbv	98
15) Acetone	3.83	43	689309	9.153	ppbv	99
16) 1,3-Butadiene	3.31	39	499681	9.246	ppbv	93
17) tert-Butyl alcohol	4.26	59	650126	7.865	ppbv	97
18) 1,1-Dichloroethene	4.27	96	389534	8.364	ppbv	99
19) Isopropyl Alcohol	3.94	45	371391	7.883	ppbv #	97
20) Methylene Chloride	4.32	84	311261	7.106	ppbv	97
21) Allyl Chloride	4.39	41	522322	7.839	ppbv	96
22) trans-1,2-Dichloroethene	4.86	96	387092	8.044	ppbv	97
23) Vinyl Acetate	5.04	43	944238	8.623	ppbv	99
24) 1,1-Dichloroethane	4.98	63	810864	8.312	ppbv	99
25) Ethyl Acetate	5.65	43	1758118	8.338	ppbv	99
26) Hexane	5.66	57	876133	8.933	ppbv	92
27) Carbon Disulfide	4.53	76	903077	7.871	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	864398	8.496	ppbv	99
29) Chloroform	5.72	83	1337155	8.353	ppbv	97
30) Cyclohexane	7.10	84	787689	9.224	ppbv	94
31) cis-1,2-Dichloroethene	5.52	61	843192	9.856	ppbv	97
32) 1,1,1-Trichloroethane	6.48	97	1343407	8.402	ppbv	97
34) 2-Butanone	5.21	43	626175	7.567	ppbv	99
35) Carbon Tetrachloride	6.98	117	1338101	7.533	ppbv	97
36) Benzene	6.85	78	1881468	8.406	ppbv	98
37) 1,2-Dichloroethane	6.27	62	969380	7.561	ppbv #	96
38) Trichloroethene	7.80	130	678989	8.143	ppbv	98
39) 1,2-Dichloropropane	7.57	63	731429	8.060	ppbv	98
40) 1,4-Dioxane	7.80	88	172333	7.890	ppbv #	1
41) Tetrahydrofuran	6.02	42	429565	7.722	ppbv	98
42) Bromodichloromethane	7.75	83	1468325	7.719	ppbv	99
43) Methyl Methacrylate	7.98	69	697960	8.816	ppbv	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	3137965	7.955	ppbv	99
45) t-1,3-Dichloropropene	9.24	75	233337	3.627	ppbv	96
46) cis-1,3-Dichloropropene	8.66	75	407591	4.749	ppbv	96
47) 1,1,2-Trichloroethane	9.44	97	757711	8.497	ppbv	96
48) Dibromochloromethane	10.26	129	1251533	8.337	ppbv	100
49) Bromoform	13.00	173	964511	8.912	ppbv	99
50) 4-Methyl-2-Pentanone	8.70	43	1284861	8.703	ppbv	99
51) 2-Hexanone	10.09	43	627254	9.647	ppbv #	91
52) Tetrachloroethene	11.18	164	616688	7.994	ppbv	99
53) Toluene	9.76	91	2127662	8.588	ppbv	97
54) 1,2-Dibromoethane	10.57	107	1023830	8.076	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.08	131	826000	8.091	ppbv #	52
57) Chlorobenzene	12.10	112	1505729	8.067	ppbv	95
58) Ethyl Benzene	12.67	91	2788751	8.135	ppbv	97
59) m/p-Xylene	12.96	91	4492321m	15.360	ppbv	
60) o-Xylene	13.65	91	2132073	7.838	ppbv	97
61) Styrene	13.48	104	1094156	8.619	ppbv	97
62) Isopropylbenzene	14.62	105	3043906	8.394	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.63	83	1533025	7.617	ppbv	99
64) n-propylbenzene	15.52	120	772242	8.853	ppbv	90
65) tert-Butylbenzene	16.70	119	2568010	8.598	ppbv	96
66) Benzyl Chloride	16.94	91	33713m	2.485	ppbv	
67) sec-Butylbenzene	17.25	105	3564585	8.580	ppbv	99
69) p-Isopropyltoluene	17.61	119	2798662	8.802	ppbv	99
70) n-Butylbenzene	18.50	91	2703664	8.682	ppbv	99
71) 2-Chlorotoluene	15.41	91	2208085	8.221	ppbv	99
72) 4-Ethyltoluene	15.80	105	2410178	8.473	ppbv	99
73) 1,3,5-Trimethylbenzene	15.95	105	2124137	8.304	ppbv	100
74) 1,2,4-Trimethylbenzene	16.72	105	2147585	7.969	ppbv	97
75) 1,3-Dichlorobenzene	16.95	146	1209179	8.361	ppbv	99
76) 1,4-Dichlorobenzene	17.09	146	1150908	8.220	ppbv	98
77) 1,2-Dichlorobenzene	17.77	146	1156567	8.611	ppbv	100
78) Hexachloro-1,3-Butadiene	23.33	225	661043	7.078	ppbv	99
79) Naphthalene	22.15	128	1028211	8.160	ppbv	98
80) Naphthalene,2-methyl-	24.94	142	132788	9.691	ppbv #	83
81) 1,2,4-Trichlorobenzene	21.87	180	592544m	7.995	ppbv	

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

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