

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
 Data File : VL038571.D
 Acq On : 9 Mar 2022 10:23
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Quant Time: Mar 10 00:43:04 2022

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

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

QLast Update : Tue Mar 08 21:18:44 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	907636	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2429509	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2269526m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1749474	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1285824	9.38	ppbv	99
3) Chlorodifluoromethane	2.99	51	1468466	9.18	ppbv	99
4) Chloromethane	3.14	50	562173	9.48	ppbv	100
5) Vinyl Chloride	3.26	62	549873	9.23	ppbv	98
6) Bromomethane	3.48	94	313541	9.81	ppbv	97
7) Chloroethane	3.56	64	192846	10.00	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	1301214	9.79	ppbv	100
9) Propene	3.02	41	527473	9.34	ppbv	100
10) Heptane	8.12	43	1334151	9.88	ppbv	98
11) Trichlorofluoromethane	3.95	101	1165216	9.69	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	898585	9.62	ppbv	99
13) Ethanol	3.61	45	54653	8.42	ppbv	98
14) Bromoethene	3.74	108	408275	10.25	ppbv	99
15) Acetone	3.85	43	652517	10.19	ppbv	99
16) 1,3-Butadiene	3.33	39	498682	9.69	ppbv	97
17) tert-Butyl alcohol	4.29	59	709974	10.21	ppbv	99
18) 1,1-Dichloroethene	4.29	96	406386	9.72	ppbv	97
19) Isopropyl Alcohol	3.97	45	408928	9.57	ppbv #	96
20) Methylene Chloride	4.34	84	342829	8.90	ppbv	98
21) Allyl Chloride	4.41	41	609603	9.88	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	450356	10.27	ppbv	98
23) Vinyl Acetate	5.07	43	982265	10.70	ppbv	99
24) 1,1-Dichloroethane	5.01	63	821754	9.85	ppbv	99
25) Ethyl Acetate	5.67	43	2097408	9.73	ppbv	99
26) Hexane	5.68	57	977012	9.65	ppbv	100
27) Carbon Disulfide	4.55	76	1091427	10.82	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	821362	9.97	ppbv	99
29) Chloroform	5.75	83	1508537	9.57	ppbv	100
30) Cyclohexane	7.13	84	860480	9.83	ppbv	96
31) cis-1,2-Dichloroethene	5.55	61	933289	9.64	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1447227	9.47	ppbv	99
34) 2-Butanone	5.24	43	647111	10.28	ppbv	99
35) Carbon Tetrachloride	7.01	117	1520018	9.17	ppbv	97
36) Benzene	6.89	78	2108973	9.62	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1004169	9.58	ppbv	99
38) Trichloroethene	7.83	130	812050	9.27	ppbv	98
39) 1,2-Dichloropropane	7.61	63	812589	9.64	ppbv	99
40) 1,4-Dioxane	7.83	88	210515	9.98	ppbv	89
41) Tetrahydrofuran	6.05	42	500868	9.72	ppbv	98
42) Bromodichloromethane	7.79	83	1609514	9.69	ppbv	99
43) Methyl Methacrylate	8.01	69	759363	10.09	ppbv	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3446131	9.30	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	611276	11.27	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	794755	10.72	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	849955	9.89	ppbv	98
48) Dibromochloromethane	10.30	129	1438824	10.55	ppbv	100
49) Bromoform	13.03	173	1179439	11.29	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1259878	9.76	ppbv	98
51) 2-Hexanone	10.13	43	541625	9.93	ppbv #	99
52) Tetrachloroethene	11.22	164	751822	9.36	ppbv	99
53) Toluene	9.80	91	2388454	10.21	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1253801	10.21	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	907982	9.82	ppbv #	57
57) Chlorobenzene	12.14	112	1687818	9.74	ppbv	97
58) Ethyl Benzene	12.70	91	3031087	10.32	ppbv	95
59) m/p-Xylene	12.99	91	5018306m	19.95	ppbv	
60) o-Xylene	13.69	91	2373729	9.99	ppbv	100
61) Styrene	13.52	104	1302714	11.13	ppbv	99
62) Isopropylbenzene	14.66	105	3289055	10.03	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	1805349	9.00	ppbv	99
64) n-propylbenzene	15.55	120	885417	10.60	ppbv	98
65) tert-Butylbenzene	16.74	119	2895657	9.88	ppbv	99
66) Benzyl Chloride	16.98	91	180479	10.39	ppbv	98
67) sec-Butylbenzene	17.29	105	4117700	9.88	ppbv	100
69) p-Isopropyltoluene	17.65	119	3370306	9.77	ppbv	99
70) n-Butylbenzene	18.54	91	3473120	9.45	ppbv	100
71) 2-Chlorotoluene	15.45	91	2451080	10.07	ppbv	98
72) 4-Ethyltoluene	15.83	105	2909480	10.66	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	2516773	9.94	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	2624095	9.70	ppbv	94
75) 1,3-Dichlorobenzene	16.99	146	1653907	9.69	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	1620009	9.58	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	1608153	9.31	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1282960	7.62	ppbv	99
79) Naphthalene	22.18	128	2437625	10.01	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	621412	14.46	ppbv	96
81) 1,2,4-Trichlorobenzene	21.91	180	1360606	8.75	ppbv	99

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

