

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020322\
 Data File : VL038327.D
 Acq On : 3 Feb 2022 9:20
 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: Feb 04 08:49:48 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 02/04/2022
 Supervised By : Mahesh Dadoda 02/04/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	907153	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2621148	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2543713m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1917309	9.93	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	3.04	85	1814631	9.397	ppbv 99
3) Chlorodifluoromethane	2.98	51	1541820	8.538	ppbv 99
4) Chloromethane	3.13	50	540872	8.706	ppbv 100
5) Vinyl Chloride	3.25	62	534265	8.616	ppbv 98
6) Bromomethane	3.47	94	310334	9.257	ppbv 99
7) Chloroethane	3.55	64	195701	9.344	ppbv 97
8) Dichlorotetrafluoroethane	3.18	85	1316381	8.809	ppbv 95
9) Propene	3.01	41	533376	9.073	ppbv 99
10) Heptane	8.10	43	1357076	8.972	ppbv 99
11) Trichlorofluoromethane	3.94	101	1300630	8.645	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	945464	8.314	ppbv 93
13) Ethanol	3.60	45	65106	10.316	ppbv 93
14) Bromoethene	3.73	108	410345	9.234	ppbv 99
15) Acetone	3.84	43	668428	8.359	ppbv 100
16) 1,3-Butadiene	3.32	39	520541	9.071	ppbv 99
17) tert-Butyl alcohol	4.27	59	766285	8.731	ppbv 97
18) 1,1-Dichloroethene	4.28	96	436652	8.830	ppbv 98
19) Isopropyl Alcohol	3.95	45	429712	8.590	ppbv # 97
20) Methylene Chloride	4.33	84	355198	7.637	ppbv 98
21) Allyl Chloride	4.40	41	668843	9.453	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	466992	9.139	ppbv 98
23) Vinyl Acetate	5.06	43	1087803	9.356	ppbv 99
24) 1,1-Dichloroethane	5.00	63	898352	8.673	ppbv 100
25) Ethyl Acetate	5.66	43	2129514	9.511	ppbv 99
26) Hexane	5.67	57	986220	9.470	ppbv 98
27) Carbon Disulfide	4.54	76	1084714	8.903	ppbv 100
28) Methyl tert-Butyl Ether	5.02	73	998710	9.245	ppbv 99
29) Chloroform	5.74	83	1549333	9.114	ppbv 99
30) Cyclohexane	7.11	84	893774	9.857	ppbv 93
31) cis-1,2-Dichloroethene	5.53	61	995180	10.955	ppbv 99
32) 1,1,1-Trichloroethane	6.49	97	1552841	9.146	ppbv 98
34) 2-Butanone	5.23	43	718072	8.377	ppbv 99
35) Carbon Tetrachloride	7.00	117	1607378	8.736	ppbv 98
36) Benzene	6.87	78	2149321	9.270	ppbv 99
37) 1,2-Dichloroethane	6.29	62	1160917	8.742	ppbv 98
38) Trichloroethene	7.82	130	778139	9.010	ppbv 99
39) 1,2-Dichloropropane	7.59	63	826882	8.797	ppbv 98
40) 1,4-Dioxane	7.81	88	210477	9.303	ppbv # 1
41) Tetrahydrofuran	6.03	42	534555	9.277	ppbv 97
42) Bromodichloromethane	7.77	83	1724838	8.754	ppbv 99
43) Methyl Methacrylate	7.99	69	802540	9.786	ppbv 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3497313	8.559	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	718230	10.779	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	901418	10.140	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	861193	9.324	ppbv	97
48) Dibromochloromethane	10.28	129	1471983	9.466	ppbv	99
49) Bromoform	13.01	173	1135367	10.128	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	1379688	9.023	ppbv	99
51) 2-Hexanone	10.11	43	640555	9.511	ppbv	95
52) Tetrachloroethene	11.19	164	733923	9.185	ppbv	97
53) Toluene	9.78	91	2469806	9.624	ppbv	98
54) 1,2-Dibromoethane	10.59	107	1289243	9.818	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	953657	8.566	ppbv	96
57) Chlorobenzene	12.12	112	1805578	8.870	ppbv	97
58) Ethyl Benzene	12.68	91	3263833	8.731	ppbv	98
59) m/p-Xylene	12.97	91	5351427m	16.778	ppbv	
60) o-Xylene	13.67	91	2527624	8.521	ppbv	99
61) Styrene	13.50	104	1384724	10.002	ppbv	97
62) Isopropylbenzene	14.64	105	3442226	8.704	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	1784120	8.128	ppbv	100
64) n-propylbenzene	15.53	120	892857	9.385	ppbv	92
65) tert-Butylbenzene	16.72	119	2933224	9.006	ppbv	97
66) Benzyl Chloride	16.96	91	171134	11.566	ppbv	96
67) sec-Butylbenzene	17.27	105	4065203	8.972	ppbv	99
69) p-Isopropyltoluene	17.63	119	3285301	9.475	ppbv	99
70) n-Butylbenzene	18.52	91	3236750	9.531	ppbv	99
71) 2-Chlorotoluene	15.43	91	2645478	9.032	ppbv	100
72) 4-Ethyltoluene	15.81	105	2958545	9.537	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	2611875	9.362	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	2668777	9.080	ppbv	95
75) 1,3-Dichlorobenzene	16.97	146	1493175	9.467	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	1463454	9.584	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	1401149	9.565	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	731389	7.181	ppbv	99
79) Naphthalene	22.16	128	1312728	9.553	ppbv	97
80) Naphthalene,2-methyl-	24.95	142	267466	17.898	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	716695	8.868	ppbv	99

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

