

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035105.D
 Acq On : 22 Jun 2020 8:23
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 10:59:07 AM

Quant Time: Jun 22 11:54:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1372771	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3259026	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3307062	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2619665	9.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1390102	7.499	ppbv 98
3) Chlorodifluoromethane	2.94	51	1365286	9.003	ppbv 98
4) Chloromethane	3.10	50	779646	9.171	ppbv 98
5) Vinyl Chloride	3.21	62	778921	9.635	ppbv 98
6) Bromomethane	3.43	94	475845	9.479	ppbv 97
7) Chloroethane	3.52	64	287210	9.422	ppbv 93
8) Dichlorotetrafluoroethane	3.14	85	1759883	8.855	ppbv 100
9) Propene	2.96	41	580494	9.667	ppbv 98
10) Heptane	8.13	43	1582648	10.170	ppbv 100
11) Trichlorofluoromethane	3.92	101	1815482	9.168	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1277182	9.327	ppbv 99
13) Ethanol	3.56	45	152003	6.701	ppbv 96
14) Bromoethene	3.70	108	565957	9.588	ppbv 98
15) Acetone	3.81	43	1406811	8.476	ppbv 100
16) 1,3-Butadiene	3.29	39	699294	9.607	ppbv 99
17) tert-Butyl alcohol	4.26	59	1449401	9.854	ppbv 99
18) 1,1-Dichloroethene	4.26	96	589163	9.540	ppbv 96
19) Isopropyl Alcohol	3.93	45	1021141	9.475	ppbv 100
20) Methylene Chloride	4.31	84	528058	7.861	ppbv 94
21) Allyl Chloride	4.38	41	974288	9.877	ppbv 97
22) trans-1,2-Dichloroethene	4.86	96	585474	10.133	ppbv 98
23) Vinyl Acetate	5.05	43	2062339	10.237	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1576533	9.282	ppbv 97
25) Ethyl Acetate	5.66	43	2756709	9.203	ppbv 100
26) Hexane	5.67	57	1245927	9.226	ppbv 98
27) Carbon Disulfide	4.52	76	1531212	10.956	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1870068	9.856	ppbv 100
29) Chloroform	5.74	83	1913639	9.055	ppbv 96
30) Cyclohexane	7.13	84	1018306	10.506	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	1261088	10.130	ppbv 96
32) 1,1,1-Trichloroethane	6.51	97	1843082	9.403	ppbv 99
34) 2-Butanone	5.22	43	1761176	9.410	ppbv 99
35) Carbon Tetrachloride	7.02	117	1887594	9.657	ppbv 100
36) Benzene	6.89	78	2460586	9.750	ppbv 97
37) 1,2-Dichloroethane	6.30	62	1480436	9.282	ppbv 100
38) Trichloroethene	7.84	130	970278	9.899	ppbv 97
39) 1,2-Dichloropropane	7.62	63	971066	9.838	ppbv 98
40) 1,4-Dioxane	7.83	88	367933	9.451	ppbv # 96
41) Tetrahydrofuran	6.04	42	999508	10.456	ppbv 99
42) Bromodichloromethane	7.80	83	2044612	9.898	ppbv 94
43) Methyl Methacrylate	8.02	69	1116188	10.449	ppbv 99

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44) 2,2,4-Trimethylpentane	7.87	57	4198453	9.532	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1264664	12.165	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1460527	11.309	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1022933	9.496	ppbv	97
48) Dibromochloromethane	10.33	129	1689946	10.523	ppbv	100
49) Bromoform	13.08	173	1475641	10.816	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2646491	9.953	ppbv	99
51) 2-Hexanone	10.15	43	2167122	10.407	ppbv #	99
52) Tetrachloroethene	11.25	164	875297	9.843	ppbv	95
53) Toluene	9.83	91	2846120	10.573	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1543339	9.676	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.15	131	1255949	9.280	ppbv	99
57) Chlorobenzene	12.18	112	2142911	8.806	ppbv	98
58) Ethyl Benzene	12.74	91	3774056	10.157	ppbv	98
59) m/p-Xylene	13.02	91	6359867m	19.313	ppbv	
60) o-Xylene	13.73	91	3069246	9.362	ppbv	100
61) Styrene	13.56	104	2225673	10.789	ppbv	99
62) Isopropylbenzene	14.70	105	4552599	9.306	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2157287	8.125	ppbv	99
64) n-propylbenzene	15.60	120	1193624	9.561	ppbv	98
65) tert-Butylbenzene	16.78	119	3914375	9.344	ppbv	100
66) Benzyl Chloride	17.03	91	1492881	11.537	ppbv	100
67) sec-Butylbenzene	17.33	105	5499048	9.159	ppbv	100
69) p-Isopropyltoluene	17.69	119	4520406	9.439	ppbv	100
70) n-Butylbenzene	18.59	91	4747520	9.203	ppbv	99
71) 2-Chlorotoluene	15.49	91	3513114	9.500	ppbv	99
72) 4-Ethyltoluene	15.88	105	3548297	9.729	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3345595m	9.704	ppbv	
74) 1,2,4-Trimethylbenzene	16.80	105	3442190	8.946	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	1943305	8.463	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1947391	8.866	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1845134	8.782	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1582485	8.379	ppbv	99
79) Naphthalene	22.26	128	3364670	9.974	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1713456	13.285	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1815470	9.329	ppbv	98

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

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