

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL034984.D
 Acq On : 12 May 2020 11:37
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 5/13/2020 5:11:29 PM

Quant Time: May 13 01:19:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1104541	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2566138	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.11	117	2472850	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1988278	9.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1298568	8.284	ppbv 98
3) Chlorodifluoromethane	2.94	51	1128793	8.951	ppbv 99
4) Chloromethane	3.10	50	665958	9.215	ppbv 99
5) Vinyl Chloride	3.21	62	643622	9.129	ppbv 99
6) Bromomethane	3.43	94	389791	9.260	ppbv 86
7) Chloroethane	3.52	64	238248	9.409	ppbv 97
8) Dichlorotetrafluoroethane	3.14	85	1476556	9.101	ppbv 100
9) Propene	2.96	41	490231	8.959	ppbv 96
10) Heptane	8.13	43	1386895	10.117	ppbv 100
11) Trichlorofluoromethane	3.92	101	1515484	9.376	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1074731	9.338	ppbv 98
13) Ethanol	3.57	45	126272	6.993	ppbv 98
14) Bromoethene	3.70	108	473226	9.949	ppbv 100
15) Acetone	3.82	43	1169361	8.008	ppbv 100
16) 1,3-Butadiene	3.29	39	594464	9.460	ppbv 99
17) tert-Butyl alcohol	4.26	59	1038707	7.995	ppbv 100
18) 1,1-Dichloroethene	4.26	96	491925	9.852	ppbv 99
19) Isopropyl Alcohol	3.93	45	752001	7.722	ppbv 99
20) Methylene Chloride	4.31	84	430381	8.903	ppbv 93
21) Allyl Chloride	4.38	41	837826	10.158	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	487169	9.849	ppbv 96
23) Vinyl Acetate	5.05	43	1748017	9.440	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1315125	9.221	ppbv 99
25) Ethyl Acetate	5.66	43	2300414	9.379	ppbv 99
26) Hexane	5.67	57	1017910	9.572	ppbv 99
27) Carbon Disulfide	4.52	76	1284733	10.250	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1503680	9.285	ppbv 100
29) Chloroform	5.74	83	1609254	9.249	ppbv 97
30) Cyclohexane	7.13	84	857567	10.450	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	1029033	9.918	ppbv 93
32) 1,1,1-Trichloroethane	6.50	97	1533736	9.761	ppbv 100
34) 2-Butanone	5.22	43	1492340	9.357	ppbv 100
35) Carbon Tetrachloride	7.01	117	1590976	9.823	ppbv 96
36) Benzene	6.89	78	2050282	9.691	ppbv 97
37) 1,2-Dichloroethane	6.30	62	1227502	9.406	ppbv 100
38) Trichloroethene	7.84	130	789164	9.628	ppbv 97
39) 1,2-Dichloropropane	7.62	63	810340	9.554	ppbv 97
40) 1,4-Dioxane	7.83	88	287168	8.330	ppbv 71
41) Tetrahydrofuran	6.03	42	838841	9.990	ppbv 99
42) Bromodichloromethane	7.80	83	1716903	9.755	ppbv 98
43) Methyl Methacrylate	8.02	69	939536	10.517	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3575903	9.507	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1034463	11.474	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1236146	11.168	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	863956	9.653	ppbv	98
48) Dibromochloromethane	10.32	129	1435607	10.431	ppbv	100
49) Bromoform	13.07	173	1260744	10.646	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2282473	10.036	ppbv	99
51) 2-Hexanone	10.15	43	1868804	10.506	ppbv #	99
52) Tetrachloroethene	11.24	164	710640	9.446	ppbv	98
53) Toluene	9.82	91	2382670	10.624	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1296076	9.861	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.15	131	1070995	9.604	ppbv	95
57) Chlorobenzene	12.17	112	1819971	9.290	ppbv	99
58) Ethyl Benzene	12.73	91	3211921	10.504	ppbv	100
59) m/p-Xylene	13.02	91	5336154m	19.834	ppbv	
60) o-Xylene	13.72	91	2641867	9.951	ppbv	100
61) Styrene	13.56	104	1894002	11.273	ppbv	99
62) Isopropylbenzene	14.70	105	3871057	9.766	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1886327	9.026	ppbv	100
64) n-propylbenzene	15.60	120	1029705	10.128	ppbv	100
65) tert-Butylbenzene	16.78	119	3329983	9.686	ppbv	99
66) Benzyl Chloride	17.03	91	1306450	11.194	ppbv	99
67) sec-Butylbenzene	17.33	105	4751348	9.682	ppbv	100
69) p-Isopropyltoluene	17.69	119	3922755	9.881	ppbv	99
70) n-Butylbenzene	18.59	91	4109934	9.726	ppbv	99
71) 2-Chlorotoluene	15.49	91	3012364	10.068	ppbv	99
72) 4-Ethyltoluene	15.87	105	3077548	10.390	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2858290	9.916	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	2967616	9.432	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	1654806	8.957	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1695415	9.658	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1614450	9.275	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1287670	8.678	ppbv	99
79) Naphthalene	22.26	128	2905112	11.857	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	1190059	19.760	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1522921	10.250	ppbv	98

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

