

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072120\
 Data File : VL035209.D
 Acq On : 21 Jul 2020 10:16
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 7/23/2020 3:00:12 PM

Quant Time: Jul 22 08:39:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 0
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1232579	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2942121	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2967236m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2296232	9.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.00	85	1335046	7.729	ppbv 100
3) Chlorodifluoromethane	2.94	51	1243176	9.131	ppbv 100
4) Chloromethane	3.09	50	704913	9.186	ppbv 97
5) Vinyl Chloride	3.21	62	736905	8.987	ppbv 98
6) Bromomethane	3.43	94	447557	9.617	ppbv 96
7) Chloroethane	3.51	64	279420	9.639	ppbv 99
8) Dichlorotetrafluoroethane	3.14	85	1698533	8.972	ppbv 100
9) Propene	2.96	41	486917	9.463	ppbv 98
10) Heptane	8.13	43	1436453	10.875	ppbv 100
11) Trichlorofluoromethane	3.91	101	1846348	9.465	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1286121	9.388	ppbv 100
13) Ethanol	3.56	45	131442	8.024	ppbv 94
14) Bromoethene	3.70	108	560603	9.943	ppbv 99
15) Acetone	3.81	43	1377446	8.255	ppbv 98
16) 1,3-Butadiene	3.28	39	655384	10.232	ppbv 100
17) tert-Butyl alcohol	4.26	59	1526075	10.336	ppbv 99
18) 1,1-Dichloroethene	4.26	96	590526	9.736	ppbv 94
19) Isopropyl Alcohol	3.93	45	1028658	10.218	ppbv 99
20) Methylene Chloride	4.31	84	565027	7.782	ppbv 98
21) Allyl Chloride	4.38	41	958235	9.866	ppbv 98
22) trans-1,2-Dichloroethene	4.86	96	594535	9.818	ppbv 97
23) Vinyl Acetate	5.05	43	1805258	9.994	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1470573	9.480	ppbv 99
25) Ethyl Acetate	5.66	43	2531721	9.776	ppbv 99
26) Hexane	5.67	57	1143052	10.011	ppbv 99
27) Carbon Disulfide	4.52	76	1586666	9.951	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1739789	10.001	ppbv 99
29) Chloroform	5.74	83	1823854	9.528	ppbv 98
30) Cyclohexane	7.12	84	924428	10.942	ppbv 98
31) cis-1,2-Dichloroethene	5.53	61	1099723	10.183	ppbv 97
32) 1,1,1-Trichloroethane	6.50	97	1819010	9.481	ppbv 99
34) 2-Butanone	5.22	43	1534329	9.771	ppbv 99
35) Carbon Tetrachloride	7.01	117	1902306	9.961	ppbv 97
36) Benzene	6.89	78	2197560	10.320	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1428011	9.993	ppbv 99
38) Trichloroethene	7.84	130	918790	10.589	ppbv 98
39) 1,2-Dichloropropane	7.62	63	870448	10.279	ppbv 97
40) 1,4-Dioxane	7.83	88	351367	10.423	ppbv 97
41) Tetrahydrofuran	6.03	42	847460	10.785	ppbv 99
42) Bromodichloromethane	7.80	83	1959969	10.271	ppbv 100
43) Methyl Methacrylate	8.02	69	1029383	11.436	ppbv 98

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44) 2,2,4-Trimethylpentane	7.87	57	3873765	10.539	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1152653	12.188	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1357712	12.110	ppbv	94
47) 1,1,2-Trichloroethane	9.49	97	963517	10.395	ppbv	98
48) Dibromochloromethane	10.33	129	1661562	11.017	ppbv	99
49) Bromoform	13.07	173	1461059	11.075	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2406319	10.677	ppbv	100
51) 2-Hexanone	10.15	43	1921913	11.184	ppbv #	100
52) Tetrachloroethene	11.25	164	813425	10.228	ppbv	95
53) Toluene	9.82	91	2623295	11.673	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1452804	10.562	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1272224	9.678	ppbv #	94
57) Chlorobenzene	12.17	112	2085882	9.538	ppbv	99
58) Ethyl Benzene	12.73	91	3580074	10.916	ppbv	98
59) m/p-Xylene	13.02	91	6019720m	20.594	ppbv	
60) o-Xylene	13.72	91	3031121	10.394	ppbv	99
61) Styrene	13.56	104	2109520	11.706	ppbv	99
62) Isopropylbenzene	14.70	105	4449226	10.293	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2179310	8.943	ppbv	99
64) n-propylbenzene	15.59	120	1180543	10.572	ppbv	99
65) tert-Butylbenzene	16.78	119	3926928	10.115	ppbv	99
66) Benzyl Chloride	17.03	91	1587036	11.474	ppbv	100
67) sec-Butylbenzene	17.33	105	5660059	10.000	ppbv	99
69) p-Isopropyltoluene	17.69	119	4647459	10.477	ppbv	100
70) n-Butylbenzene	18.59	91	4833465	10.276	ppbv	99
71) 2-Chlorotoluene	15.49	91	3397190	10.386	ppbv	100
72) 4-Ethyltoluene	15.87	105	3555556	10.821	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	3320423	10.479	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	3500033	9.995	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	2014098	9.082	ppbv	98
76) 1,4-Dichlorobenzene	17.18	146	1993037	9.671	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1916774	9.600	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1391037	8.816	ppbv	99
79) Naphthalene	22.26	128	2890035	12.754	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1065508	19.907	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1626572	11.331	ppbv	98

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

