

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035233.D
 Acq On : 29 Jul 2020 2:44
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTICCC010

Manual Integrations
 APPROVED

MMDadoda
 7/30/2020 6:10:17 PM

Quant Time: Jul 29 03:37:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 2020
 QLast Update : Wed Jul 29 03:31:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1475339	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3525553	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3460548m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2752031	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1552345	7.650	ppbv 100
3) Chlorodifluoromethane	2.94	51	1411599	8.639	ppbv 100
4) Chloromethane	3.10	50	801703	8.694	ppbv 100
5) Vinyl Chloride	3.22	62	836337	8.478	ppbv 100
6) Bromomethane	3.44	94	524129	9.358	ppbv 100
7) Chloroethane	3.52	64	318709	9.133	ppbv 100
8) Dichlorotetrafluoroethane	3.15	85	1947715	8.556	ppbv 100
9) Propene	2.97	41	547713	8.953	ppbv 100
10) Heptane	8.14	43	1629141	10.251	ppbv 100
11) Trichlorofluoromethane	3.92	101	2096886	8.919	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1484130	8.985	ppbv 100
13) Ethanol	3.57	45	144834	7.209	ppbv 97
14) Bromoethene	3.71	108	636126	9.377	ppbv 100
15) Acetone	3.82	43	1552831	7.742	ppbv 100
16) 1,3-Butadiene	3.29	39	731397	9.518	ppbv 100
17) tert-Butyl alcohol	4.27	59	1702485	9.507	ppbv 100
18) 1,1-Dichloroethene	4.26	96	691812	9.449	ppbv 100
19) Isopropyl Alcohol	3.94	45	1112397	9.099	ppbv 100
20) Methylene Chloride	4.32	84	619962	7.070	ppbv 100
21) Allyl Chloride	4.39	41	1078133	9.232	ppbv 100
22) trans-1,2-Dichloroethene	4.87	96	666499	9.168	ppbv 100
23) Vinyl Acetate	5.06	43	1971982	9.197	ppbv 100
24) 1,1-Dichloroethane	5.00	63	1671321	8.977	ppbv 100
25) Ethyl Acetate	5.67	43	2854872	9.189	ppbv 100
26) Hexane	5.68	57	1292251	9.412	ppbv 100
27) Carbon Disulfide	4.53	76	1784416	9.345	ppbv 100
28) Methyl tert-Butyl Ether	5.01	73	1967000	9.439	ppbv 100
29) Chloroform	5.75	83	2087789	9.051	ppbv 100
30) Cyclohexane	7.14	84	1081665	10.666	ppbv 100
31) cis-1,2-Dichloroethene	5.54	61	1243213	9.635	ppbv 100
32) 1,1,1-Trichloroethane	6.52	97	2071533	8.982	ppbv 100
34) 2-Butanone	5.23	43	1738117	9.244	ppbv 100
35) Carbon Tetrachloride	7.03	117	2180201	9.467	ppbv 100
36) Benzene	6.90	78	2495665	9.771	ppbv 100
37) 1,2-Dichloroethane	6.31	62	1624327	9.418	ppbv 100
38) Trichloroethene	7.85	130	1063900	10.159	ppbv 100
39) 1,2-Dichloropropane	7.63	63	994830	9.736	ppbv 100
40) 1,4-Dioxane	7.84	88	412868	10.136	ppbv 100
41) Tetrahydrofuran	6.04	42	939830	10.043	ppbv 100
42) Bromodichloromethane	7.81	83	2270189	9.857	ppbv 100
43) Methyl Methacrylate	8.03	69	1185223	10.903	ppbv 100

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44) 2,2,4-Trimethylpentane	7.88	57	4402479	9.945	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1311010	11.529	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1554672	11.491	ppbv	100
47) 1,1,2-Trichloroethane	9.50	97	1121333	9.995	ppbv	100
48) Dibromochloromethane	10.34	129	1912737	10.492	ppbv	100
49) Bromoform	13.08	173	1762244m	10.948	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	2770667	10.234	ppbv	100
51) 2-Hexanone	10.16	43	2266986	10.936	ppbv	100
52) Tetrachloroethene	11.26	164	957241	9.959	ppbv	100
53) Toluene	9.83	91	3004541	11.096	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1702966	10.237	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.17	131	1490774	9.590	ppbv	100
57) Chlorobenzene	12.18	112	2452897	9.469	ppbv	100
58) Ethyl Benzene	12.75	91	4180253	10.803	ppbv	100
59) m/p-Xylene	13.03	91	7102203m	20.532	ppbv	
60) o-Xylene	13.73	91	3572742	10.352	ppbv	100
61) Styrene	13.57	104	2505505	11.756	ppbv	100
62) Isopropylbenzene	14.71	105	5228181	10.218	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	2648267	9.186	ppbv	100
64) n-propylbenzene	15.61	120	1408991	10.637	ppbv	100
65) tert-Butylbenzene	16.79	119	4672531	10.172	ppbv	100
66) Benzyl Chloride	17.04	91	1966662	11.886	ppbv	100
67) sec-Butylbenzene	17.34	105	6687821	9.995	ppbv	100
69) p-Isopropyltoluene	17.70	119	5669477	10.731	ppbv	100
70) n-Butylbenzene	18.60	91	5952104	10.622	ppbv	100
71) 2-Chlorotoluene	15.50	91	4085759	10.548	ppbv	100
72) 4-Ethyltoluene	15.89	105	4261562	10.923	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3983780	10.613	ppbv	100
74) 1,2,4-Trimethylbenzene	16.81	105	4270116	10.244	ppbv	100
75) 1,3-Dichlorobenzene	17.05	146	2520482	9.512	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	2517092	10.233	ppbv	100
77) 1,2-Dichlorobenzene	17.87	146	2435482	10.189	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1716760	9.168	ppbv	100
79) Naphthalene	22.27	128	3848357	13.887	ppbv	100
80) Naphthalene, 2-methyl-	25.02	142	1379510	20.895	ppbv	100
81) 1,2,4-Trichlorobenzene	22.00	180	2148948	12.290	ppbv	100

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

