

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020321\
 Data File : VL036294.D
 Acq On : 3 Feb 2021 14:24
 Operator : SY/AP
 Sample : VL0203ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0203ABS01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2021 5:16:15 PM

Quant Time: Feb 04 01:46:20 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL011321AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021

QLast Update : Thu Jan 14 16:13:38 2021

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.703	49	1633617	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.214	114	3714873	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.130	117	3408287m	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.462 95 3012826 10.68 ppbv 0.04
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.070	85	2216330	10.12	ppbv	100
3) Chlorodifluoromethane	3.009	51	1908797	9.51	ppbv	98
4) Chloromethane	3.163	50	917732	9.26	ppbv	91
5) Vinyl Chloride	3.279	62	898356	9.57	ppbv	95
6) Bromomethane	3.497	94	515115	9.82	ppbv	96
7) Chloroethane	3.581	64	315692	9.77	ppbv	96
8) Dichlorotetrafluoroethane	3.208	85	2093971	9.87	ppbv	99
9) Propene	3.031	41	839983	8.79	ppbv	97
10) Heptane	8.163	43	2137577	9.01	ppbv	98
11) Trichlorofluoromethane	3.976	101	2234536	10.04	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	4.517	101	1393284	10.32	ppbv	96
13) Ethanol	3.629	45	97897	6.53	ppbv	93
14) Bromoethene	3.764	108	606624	9.87	ppbv	96
15) Acetone	3.877	43	1735523	8.67	ppbv	98
16) 1,3-Butadiene	3.349	39	892428	9.16	ppbv	97
17) tert-Butyl alcohol	4.320	59	1640056	9.93	ppbv	98
18) 1,1-Dichloroethene	4.317	96	602627	9.63	ppbv	91
19) Isopropyl Alcohol	3.996	45	1020597	8.46	ppbv	100
20) Methylene Chloride	4.372	84	544203	8.52	ppbv	96
21) Allyl Chloride	4.443	41	1048888	9.63	ppbv	96
22) trans-1,2-Dichloroethene	4.912	96	572012	9.89	ppbv	99
23) Vinyl Acetate	5.105	43	2399832	9.90	ppbv	99
24) 1,1-Dichloroethane	5.044	63	1747417	9.95	ppbv	98
25) Ethyl Acetate	5.710	43	3661970	9.12	ppbv	99
26) Hexane	5.719	57	1492113	8.92	ppbv	97
27) Carbon Disulfide	4.581	76	1578787	11.81	ppbv	98
28) Methyl tert-Butyl Ether	5.066	73	2185672	9.66	ppbv	97
29) Chloroform	5.787	83	2381223	9.94	ppbv	96
30) Cyclohexane	7.166	84	1242621	9.72	ppbv	99
31) cis-1,2-Dichloroethene	5.581	61	1577384	9.87	ppbv	94
32) 1,1,1-Trichloroethane	6.549	97	2367535	10.22	ppbv	99
34) 2-Butanone	5.279	43	2352799	8.60	ppbv	97
35) Carbon Tetrachloride	7.057	117	2375595	10.12	ppbv	99
36) Benzene	6.928	78	3096378	9.10	ppbv	99
37) 1,2-Dichloroethane	6.346	62	1953520	9.54	ppbv	99
38) Trichloroethene	7.873	130	1055482	8.37	ppbv	96
39) 1,2-Dichloropropane	7.655	63	1262733	9.14	ppbv	98
40) 1,4-Dioxane	7.870	88	401733	8.04	ppbv #	93
41) Tetrahydrofuran	6.082	42	1360208	8.60	ppbv	100
42) Bromodichloromethane	7.832	83	2590507	10.06	ppbv	98
43) Methyl Methacrylate	8.050	69	1378694	9.53	ppbv	96
44) 2,2,4-Trimethylpentane	7.909	57	5339074	8.54	ppbv	100
45) t-1,3-Dichloropropene	9.320	75	1520889	11.07	ppbv	100

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46) cis-1,3-Dichloropropene	8.745	75	1794781	10.17	ppbv	96
47) 1,1,2-Trichloroethane	9.520	97	1216824m	9.20	ppbv	
48) Dibromochloromethane	10.349	129	1976789	10.22	ppbv	99
49) Bromoform	13.085	173	1574978	9.75	ppbv	100
50) 4-Methyl-2-Pentanone	8.780	43	3582472	8.78	ppbv	99
51) 2-Hexanone	10.179	43	2931301	9.11	ppbv #	100
52) Tetrachloroethene	11.266	164	986928	7.87	ppbv	96
53) Toluene	9.848	91	3437729	9.03	ppbv	99
54) 1,2-Dibromoethane	10.655	107	1796849	9.17	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.169	131	1470626	9.67	ppbv	99
57) Chlorobenzene	12.192	112	2351104	8.79	ppbv	97
58) Ethyl Benzene	12.757	91	4568919	9.03	ppbv	99
59) m/p-Xylene	13.040	91	7711203m	17.74	ppbv	
60) o-Xylene	13.738	91	3595766	8.58	ppbv	100
61) Styrene	13.574	104	2506148	9.47	ppbv	100
62) Isopropylbenzene	14.712	105	5286840	8.49	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.725	83	2492434	7.99	ppbv	99
64) n-propylbenzene	15.609	120	1340494	8.76	ppbv	99
65) tert-Butylbenzene	16.793	119	4352760	8.25	ppbv	99
66) Benzyl Chloride	17.034	91	1438324	10.67	ppbv	99
67) sec-Butylbenzene	17.339	105	6158549	7.86	ppbv	100
69) p-Isopropyltoluene	17.699	119	4940577	7.95	ppbv	100
70) n-Butylbenzene	18.593	91	5126562	7.74	ppbv	99
71) 2-Chlorotoluene	15.500	91	4102857	8.38	ppbv	99
72) 4-Ethyltoluene	15.886	105	3976623	8.41	ppbv	98
73) 1,3,5-Trimethylbenzene	16.043	105	3729368	8.28	ppbv	97
74) 1,2,4-Trimethylbenzene	16.812	105	3757512	8.13	ppbv	97
75) 1,3-Dichlorobenzene	17.043	146	1969569	7.94	ppbv	99
76) 1,4-Dichlorobenzene	17.185	146	1921592	7.85	ppbv	99
77) 1,2-Dichlorobenzene	17.863	146	1864089	7.70	ppbv	99
78) Hexachloro-1,3-Butadiene	23.423	225	1453327	7.50	ppbv	100
79) Naphthalene	22.252	128	2710283	10.03	ppbv	98
80) Naphthalene,2-methyl-	25.017	142	864191	14.99	ppbv	96
81) 1,2,4-Trichlorobenzene	21.979	180	1444173	9.16	ppbv	98

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

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