

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036210.D
 Acq On : 13 Jan 2021 2:34
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 1/14/2021 6:53:43 PM

Quant Time: Jan 14 15:56:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 2021
 QLast Update : Wed Jan 13 05:46:16 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1565577	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3468147	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3225561m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2775739	10.73	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1777179	9.669	ppbv	100
3) Chlorodifluoromethane	2.98	51	1750292	9.772	ppbv	100
4) Chloromethane	3.13	50	865416	9.819	ppbv	100
5) Vinyl Chloride	3.25	62	829901	8.543	ppbv	100
6) Bromomethane	3.47	94	465963m	9.371	ppbv	
7) Chloroethane	3.55	64	293998m	8.986	ppbv	
8) Dichlorotetrafluoroethane	3.18	85	1819171	9.100	ppbv	100
9) Propene	3.00	41	778842	8.763	ppbv	100
10) Heptane	8.12	43	2066705	9.117	ppbv	100
11) Trichlorofluoromethane	3.94	101	1894811	8.989	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1168644	8.304	ppbv	100
13) Ethanol	3.60	45	113161	9.193	ppbv	98
14) Bromoethene	3.73	108	542738m	9.305	ppbv	
15) Acetone	3.84	43	1586808m	8.564	ppbv	
16) 1,3-Butadiene	3.32	39	843382	9.018	ppbv	100
17) tert-Butyl alcohol	4.29	59	1449907m	8.313	ppbv	
18) 1,1-Dichloroethene	4.28	96	523994	8.383	ppbv	100
19) Isopropyl Alcohol	3.96	45	996991	8.807	ppbv	99
20) Methylene Chloride	4.34	84	473076m	6.373	ppbv	
21) Allyl Chloride	4.40	41	1000187	8.327	ppbv	100
22) trans-1,2-Dichloroethene	4.88	96	506407	8.142	ppbv	100
23) Vinyl Acetate	5.07	43	2238961	9.088	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1509936	8.713	ppbv	100
25) Ethyl Acetate	5.67	43	3393065	9.150	ppbv	100
26) Hexane	5.68	57	1364056	8.178	ppbv	100
27) Carbon Disulfide	4.54	76	1327899	8.283	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1955926m	8.437	ppbv	
29) Chloroform	5.75	83	2091709	9.467	ppbv	100
30) Cyclohexane	7.13	84	1169849	9.397	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1450804	9.501	ppbv	100
32) 1,1,1-Trichloroethane	6.51	97	2070196	9.082	ppbv	100
34) 2-Butanone	5.24	43	2197974	9.439	ppbv	99
35) Carbon Tetrachloride	7.01	117	2049470	10.129	ppbv	100
36) Benzene	6.89	78	2851889	9.659	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1742596	10.126	ppbv	100
38) Trichloroethene	7.83	130	913680	8.380	ppbv	100
39) 1,2-Dichloropropane	7.61	63	1179381	10.088	ppbv	100
40) 1,4-Dioxane	7.83	88	357038	9.690	ppbv #	100
41) Tetrahydrofuran	6.04	42	1361400m	9.969	ppbv	
42) Bromodichloromethane	7.79	83	2284495	10.053	ppbv	100
43) Methyl Methacrylate	8.01	69	1278845	10.094	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4985160	9.359	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1381385	10.660	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1687060	10.317	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1112096	9.863	ppbv	100
48) Dibromochloromethane	10.30	129	1788860	10.597	ppbv	100
49) Bromoform	13.04	173	1493978	11.195	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	3467762	10.012	ppbv	100
51) 2-Hexanone	10.13	43	2866773	10.445	ppbv	100
52) Tetrachloroethene	11.22	164	904682	8.525	ppbv	100
53) Toluene	9.80	91	3208379	9.687	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1674242	9.908	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1321664	9.890	ppbv	100
57) Chlorobenzene	12.15	112	2200925	9.676	ppbv	100
58) Ethyl Benzene	12.71	91	4307361	9.680	ppbv	100
59) m/p-Xylene	12.99	91	7176981m	19.186	ppbv	
60) o-Xylene	13.69	91	3364264	9.528	ppbv	100
61) Styrene	13.53	104	2425525	10.585	ppbv	100
62) Isopropylbenzene	14.67	105	5066514	9.645	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2358113	9.835	ppbv	100
64) n-propylbenzene	15.56	120	1296880	10.199	ppbv	100
65) tert-Butylbenzene	16.74	119	4235700	9.805	ppbv	100
66) Benzyl Chloride	16.99	91	1540495	13.900	ppbv	100
67) sec-Butylbenzene	17.30	105	6196014	10.149	ppbv	100
69) p-Isopropyltoluene	17.65	119	5042097	10.373	ppbv	100
70) n-Butylbenzene	18.55	91	5432892	11.111	ppbv	100
71) 2-Chlorotoluene	15.46	91	4061027	10.121	ppbv	100
72) 4-Ethyltoluene	15.84	105	3951643	10.204	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3771638	10.176	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	3737080	10.053	ppbv	100
75) 1,3-Dichlorobenzene	17.00	146	1988012	10.596	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	1999814	10.469	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1991230	10.953	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1466069	10.211	ppbv	100
79) Naphthalene	22.20	128	2805272	14.098	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	746883	18.373	ppbv	89
81) 1,2,4-Trichlorobenzene	21.93	180	1447565	11.453	ppbv	99

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

