

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020321\
 Data File : VL036292.D
 Acq On : 3 Feb 2021 11:59
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 2/4/2021 5:16:18 PM

Quant Time: Feb 04 01:45:47 2021

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1580746	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.214	114	3546288	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.134	117	3397547m	10.00	ppbv	0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.465 95 2947670 10.48 ppbv 0.05
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.070	85	1699217	8.02	ppbv	99
3) Chlorodifluoromethane	3.009	51	1899432	9.78	ppbv	98
4) Chloromethane	3.163	50	933532	9.73	ppbv	94
5) Vinyl Chloride	3.279	62	928497	10.23	ppbv	99
6) Bromomethane	3.494	94	514216	10.13	ppbv	96
7) Chloroethane	3.584	64	333500	10.67	ppbv	94
8) Dichlorotetrafluoroethane	3.208	85	2137301	10.41	ppbv	97
9) Propene	3.028	41	829927	8.98	ppbv	99
10) Heptane	8.160	43	2152857	9.38	ppbv	96
11) Trichlorofluoromethane	3.976	101	2266180	10.52	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.513	101	1368754	10.48	ppbv	99
13) Ethanol	3.632	45	167612m	11.55	ppbv	
14) Bromoethene	3.764	108	600465	10.10	ppbv	97
15) Acetone	3.877	43	1769395	9.14	ppbv	100
16) 1,3-Butadiene	3.349	39	889812	9.43	ppbv	96
17) tert-Butyl alcohol	4.320	59	1623671	10.16	ppbv	99
18) 1,1-Dichloroethene	4.317	96	593528	9.80	ppbv	91
19) Isopropyl Alcohol	3.996	45	1119184	9.59	ppbv #	98
20) Methylene Chloride	4.372	84	558463	9.04	ppbv	97
21) Allyl Chloride	4.439	41	1054538	10.01	ppbv	94
22) trans-1,2-Dichloroethene	4.918	96	582663	10.42	ppbv	96
23) Vinyl Acetate	5.108	43	2370454	10.11	ppbv	99
24) 1,1-Dichloroethane	5.044	63	1760375	10.36	ppbv	99
25) Ethyl Acetate	5.713	43	3705336	9.53	ppbv	99
26) Hexane	5.722	57	1514081	9.36	ppbv	97
27) Carbon Disulfide	4.578	76	1527429	11.80	ppbv	99
28) Methyl tert-Butyl Ether	5.066	73	2191340	10.01	ppbv	97
29) Chloroform	5.790	83	2414192	10.42	ppbv	95
30) Cyclohexane	7.169	84	1241728	10.04	ppbv	99
31) cis-1,2-Dichloroethene	5.584	61	1558680	10.08	ppbv	94
32) 1,1,1-Trichloroethane	6.552	97	2363546	10.55	ppbv	100
34) 2-Butanone	5.279	43	2338166	8.95	ppbv	96
35) Carbon Tetrachloride	7.057	117	2383006	10.64	ppbv	98
36) Benzene	6.928	78	3118157	9.60	ppbv	97
37) 1,2-Dichloroethane	6.346	62	1972803	10.09	ppbv	99
38) Trichloroethene	7.877	130	1055790	8.77	ppbv	98
39) 1,2-Dichloropropane	7.652	63	1270115	9.63	ppbv	99
40) 1,4-Dioxane	7.870	88	423364	8.87	ppbv #	96
41) Tetrahydrofuran	6.086	42	1430279	9.48	ppbv	97
42) Bromodichloromethane	7.832	83	2619388	10.66	ppbv	98
43) Methyl Methacrylate	8.057	69	1420345	10.29	ppbv	94
44) 2,2,4-Trimethylpentane	7.909	57	5385837	9.02	ppbv	100
45) t-1,3-Dichloropropene	9.320	75	1559711	11.89	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.748	75	1839410	10.91	ppbv	99
47) 1,1,2-Trichloroethane	9.520	97	1252579	9.92	ppbv	96
48) Dibromochloromethane	10.349	129	2034560	11.02	ppbv	100
49) Bromoform	13.089	173	1686581	10.94	ppbv	100
50) 4-Methyl-2-Pentanone	8.783	43	3688729	9.47	ppbv	99
51) 2-Hexanone	10.176	43	3012759	9.81	ppbv #	99
52) Tetrachloroethene	11.265	164	1010012	8.44	ppbv	98
53) Toluene	9.848	91	3483746	9.58	ppbv	100
54) 1,2-Dibromoethane	10.655	107	1857772	9.93	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.172	131	1514298	9.99	ppbv	94
57) Chlorobenzene	12.192	112	2472300	9.27	ppbv	98
58) Ethyl Benzene	12.757	91	4718819	9.36	ppbv	99
59) m/p-Xylene	13.044	91	8055934m	18.60	ppbv	
60) o-Xylene	13.741	91	3758158	9.00	ppbv	100
61) Styrene	13.574	104	2645236	10.03	ppbv	100
62) Isopropylbenzene	14.716	105	5591370	9.01	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.725	83	2702337	8.69	ppbv	100
64) n-propylbenzene	15.609	120	1436426	9.42	ppbv	100
65) tert-Butylbenzene	16.793	119	4765286	9.06	ppbv	99
66) Benzyl Chloride	17.037	91	1827809	13.60	ppbv	99
67) sec-Butylbenzene	17.346	105	6830011	8.75	ppbv	100
69) p-Isopropyltoluene	17.703	119	5601097	9.04	ppbv	100
70) n-Butylbenzene	18.596	91	6025680	9.13	ppbv	99
71) 2-Chlorotoluene	15.503	91	4438961	9.10	ppbv	99
72) 4-Ethyltoluene	15.886	105	4278099	9.08	ppbv	99
73) 1,3,5-Trimethylbenzene	16.047	105	4107335	9.14	ppbv	99
74) 1,2,4-Trimethylbenzene	16.812	105	4178050	9.07	ppbv	99
75) 1,3-Dichlorobenzene	17.047	146	2264358	9.16	ppbv	99
76) 1,4-Dichlorobenzene	17.188	146	2245369	9.20	ppbv	100
77) 1,2-Dichlorobenzene	17.867	146	2260169	9.36	ppbv	99
78) Hexachloro-1,3-Butadiene	23.426	225	1579568	8.18	ppbv	98
79) Naphthalene	22.255	128	3064385	11.38	ppbv	97
80) Naphthalene,2-methyl-	25.017	142	832262	14.48	ppbv	95
81) 1,2,4-Trichlorobenzene	21.985	180	1566077	9.96	ppbv	97

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

