

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036046.D
 Acq On : 3 Dec 2020 9:48
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 12:08:09 PM

Quant Time: Dec 03 12:00:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1182230	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4228211	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4044129m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3231965	11.25	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2082432	9.356	ppbv	99
3) Chlorodifluoromethane	2.97	51	1306215	9.226	ppbv	100
4) Chloromethane	3.12	50	638096	9.278	ppbv	99
5) Vinyl Chloride	3.24	62	817326	9.322	ppbv	100
6) Bromomethane	3.46	94	670191	9.505	ppbv	100
7) Chloroethane	3.54	64	302062	9.789	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	2367162	9.293	ppbv	94
9) Propene	2.99	41	485489	9.369	ppbv	99
10) Heptane	8.11	43	1461925	10.214	ppbv	99
11) Trichlorofluoromethane	3.93	101	2687474	9.616	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2023583	9.725	ppbv	96
13) Ethanol	3.59	45	81586	7.257	ppbv	100
14) Bromoethene	3.72	108	853870	8.916	ppbv	100
15) Acetone	3.84	43	1100088	8.704	ppbv	99
16) 1,3-Butadiene	3.31	39	528903	9.720	ppbv	99
17) tert-Butyl alcohol	4.28	59	1369353	8.175	ppbv	99
18) 1,1-Dichloroethene	4.27	96	914068	9.567	ppbv	94
19) Isopropyl Alcohol	3.95	45	604263	7.780	ppbv #	97
20) Methylene Chloride	4.33	84	766257	8.612	ppbv	99
21) Allyl Chloride	4.39	41	670312	9.807	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	940711	9.713	ppbv	96
23) Vinyl Acetate	5.06	43	1522040	8.591	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1589866	9.419	ppbv	100
25) Ethyl Acetate	5.66	43	2431318	9.765	ppbv	99
26) Hexane	5.67	57	1282807	9.342	ppbv	97
27) Carbon Disulfide	4.53	76	2066867	10.045	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1991232	8.075	ppbv	99
29) Chloroform	5.74	83	2448996	9.074	ppbv	95
30) Cyclohexane	7.11	84	1302162	8.707	ppbv	95
31) cis-1,2-Dichloroethene	5.53	61	1265000	8.955	ppbv	95
32) 1,1,1-Trichloroethane	6.50	97	2298622	8.161	ppbv	98
34) 2-Butanone	5.23	43	1489936	10.858	ppbv	96
35) Carbon Tetrachloride	7.00	117	2313639	10.241	ppbv	99
36) Benzene	6.88	78	3044457	9.685	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1519736	10.672	ppbv	98
38) Trichloroethene	7.82	130	1412111	9.197	ppbv	96
39) 1,2-Dichloropropane	7.60	63	1089219	10.292	ppbv	98
40) 1,4-Dioxane	7.82	88	407430	8.123	ppbv #	42
41) Tetrahydrofuran	6.03	42	844990	10.839	ppbv	96
42) Bromodichloromethane	7.78	83	2510776	10.449	ppbv	99
43) Methyl Methacrylate	8.00	69	1247742	10.407	ppbv	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4405180	10.590	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	1291301	10.159	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1637814	10.175	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1424337	9.877	ppbv	96
48) Dibromochloromethane	10.29	129	2242006	10.177	ppbv	100
49) Bromoform	13.03	173	1756481	9.449	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2427559	11.569	ppbv	97
51) 2-Hexanone	10.12	43	1924183	11.415	ppbv #	96
52) Tetrachloroethene	11.21	164	1231676	8.271	ppbv	97
53) Toluene	9.79	91	3689269	9.727	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2115509	9.646	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1751730	9.651	ppbv	98
57) Chlorobenzene	12.13	112	2958144	9.200	ppbv	98
58) Ethyl Benzene	12.70	91	4726124	9.595	ppbv	97
59) m/p-Xylene	12.98	91	8159291m	19.580	ppbv	
60) o-Xylene	13.68	91	3998198	9.863	ppbv	98
61) Styrene	13.52	104	2756287	9.280	ppbv	99
62) Isopropylbenzene	14.66	105	5816678	9.129	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2853299	9.084	ppbv	99
64) n-propylbenzene	15.55	120	1649299	8.955	ppbv	89
65) tert-Butylbenzene	16.73	119	5032344	8.677	ppbv	98
66) Benzyl Chloride	16.98	91	1434006	7.481	ppbv	96
67) sec-Butylbenzene	17.28	105	6802675	8.704	ppbv	97
69) p-Isopropyltoluene	17.64	119	5433942	8.425	ppbv	99
70) n-Butylbenzene	18.54	91	5349111	8.612	ppbv	98
71) 2-Chlorotoluene	15.44	91	4277490	9.178	ppbv	96
72) 4-Ethyltoluene	15.83	105	4491991	9.136	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4112510	9.140	ppbv	97
74) 1,2,4-Trimethylbenzene	16.75	105	4315639	8.952	ppbv	97
75) 1,3-Dichlorobenzene	16.99	146	2496003	8.131	ppbv	98
76) 1,4-Dichlorobenzene	17.13	146	2400897	8.108	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2291244	7.657	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1235236	8.847	ppbv	100
79) Naphthalene	22.18	128	2638832	7.852	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	695211	12.693	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	1556756	8.291	ppbv	99

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

