

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035758.D
 Acq On : 12 Oct 2020 12:01
 Operator : SY/AP
 Sample : VL1012ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:11:19 PM

Quant Time: Oct 13 00:36:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1145462	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4422054	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	4395783m	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	3249730	9.87	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1615460	8.595	ppbv	99
3) Chlorodifluoromethane	2.97	51	1235247	10.024	ppbv	99
4) Chloromethane	3.12	50	664418	10.037	ppbv	100
5) Vinyl Chloride	3.24	62	784864	10.024	ppbv	99
6) Bromomethane	3.46	94	652943	9.865	ppbv	97
7) Chloroethane	3.54	64	289437	10.079	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2173633	9.535	ppbv	100
9) Propene	2.99	41	472212	10.554	ppbv	99
10) Heptane	8.12	43	1382014	11.080	ppbv	100
11) Trichlorofluoromethane	3.93	101	2611755	9.739	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1936805	9.688	ppbv	100
13) Ethanol	3.60	45	94496	8.564	ppbv	97
14) Bromoethene	3.73	108	862214	10.239	ppbv	100
15) Acetone	3.83	43	1088362	8.830	ppbv	100
16) 1,3-Butadiene	3.31	39	490859	10.886	ppbv	100
17) tert-Butyl alcohol	4.29	59	1400716	10.433	ppbv	100
18) 1,1-Dichloroethene	4.28	96	900672	10.290	ppbv	100
19) Isopropyl Alcohol	3.96	45	676440	10.089	ppbv	98
20) Methylene Chloride	4.33	84	743083	8.208	ppbv	98
21) Allyl Chloride	4.40	41	642261	10.750	ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	944379	10.213	ppbv	97
23) Vinyl Acetate	5.06	43	1682633	11.146	ppbv	100
24) 1,1-Dichloroethane	5.00	63	1621855	9.863	ppbv	99
25) Ethyl Acetate	5.67	43	2244872	10.122	ppbv	100
26) Hexane	5.68	57	1245238	10.246	ppbv	99
27) Carbon Disulfide	4.54	76	2010795	11.100	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2142162	11.119	ppbv	99
29) Chloroform	5.74	83	2476091	10.033	ppbv	100
30) Cyclohexane	7.12	84	1344691	11.214	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1320657	11.257	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2400975	11.036	ppbv	100
34) 2-Butanone	5.24	43	1538254	10.517	ppbv	100
35) Carbon Tetrachloride	7.01	117	2471560	10.720	ppbv	98
36) Benzene	6.89	78	3106420	10.781	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1541916	10.267	ppbv	100
38) Trichloroethene	7.83	130	1539829	10.713	ppbv	100
39) 1,2-Dichloropropane	7.61	63	1076846	10.311	ppbv	98
40) 1,4-Dioxane	7.82	88	500476	10.478	ppbv	94
41) Tetrahydrofuran	6.04	42	871209	11.823	ppbv	99
42) Bromodichloromethane	7.79	83	2582699	10.676	ppbv	99
43) Methyl Methacrylate	8.01	69	1318312	11.504	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4218390	10.202	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1476139	12.758	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1758399	12.329	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1507802	10.079	ppbv	98
48) Dibromochloromethane	10.30	129	2529548	11.110	ppbv	100
49) Bromoform	13.05	173	2266694	11.733	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2297873	10.756	ppbv	100
51) 2-Hexanone	10.13	43	1930505	11.216	ppbv	99
52) Tetrachloroethene	11.22	164	1446191	10.437	ppbv	96
53) Toluene	9.81	91	3876864	11.410	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2351829	10.499	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	1970917	10.693	ppbv	96
57) Chlorobenzene	12.15	112	3249497	9.787	ppbv	99
58) Ethyl Benzene	12.71	91	5051839	11.450	ppbv	99
59) m/p-Xylene	13.00	91	8638926m	22.421	ppbv	
60) o-Xylene	13.70	91	4207582	10.795	ppbv	100
61) Styrene	13.53	104	3284555	12.188	ppbv	100
62) Isopropylbenzene	14.67	105	6311468	10.440	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	3071578	9.611	ppbv	100
64) n-propylbenzene	15.57	120	1936942	10.947	ppbv	99
65) tert-Butylbenzene	16.76	119	5829188	10.605	ppbv	100
66) Benzyl Chloride	17.00	91	2154026	12.935	ppbv	100
67) sec-Butylbenzene	17.30	105	7778376	10.248	ppbv	100
69) p-Isopropyltoluene	17.66	119	6538427	10.588	ppbv	99
70) n-Butylbenzene	18.56	91	6501882	10.225	ppbv	99
71) 2-Chlorotoluene	15.46	91	4856535	11.013	ppbv	100
72) 4-Ethyltoluene	15.85	105	5134844	11.121	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4785550	10.968	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4972599	10.110	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	3273351	9.748	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3281803	10.224	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	3214042	10.134	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1739651	9.942	ppbv	100
79) Naphthalene	22.21	128	4782644	10.195	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1213256	10.965	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	2497414	10.273	ppbv	100

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

