

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035830.D
 Acq On : 4 Nov 2020 12:07
 Operator : SY/AP
 Sample : VL1104ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:16:28 PM

Quant Time: Nov 05 03:26:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.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	5.64	49	995883	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4489099	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4517714m	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	3020181	9.41	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1662181	8.865	ppbv	100
3) Chlorodifluoromethane	2.96	51	1143186	9.586	ppbv	98
4) Chloromethane	3.11	50	563159	9.720	ppbv	98
5) Vinyl Chloride	3.23	62	720673	9.758	ppbv	100
6) Bromomethane	3.45	94	615395	10.361	ppbv	98
7) Chloroethane	3.53	64	273313	10.515	ppbv	96
8) Dichlorotetrafluoroethane	3.16	85	2148989	10.015	ppbv	99
9) Propene	2.98	41	422678	9.683	ppbv	97
10) Heptane	8.10	43	1203988	9.986	ppbv	98
11) Trichlorofluoromethane	3.92	101	2405998	10.219	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1813105	10.344	ppbv	98
13) Ethanol	3.58	45	84791	8.954	ppbv	98
14) Bromoethene	3.71	108	843757	10.459	ppbv	100
15) Acetone	3.82	43	966883	9.081	ppbv	100
16) 1,3-Butadiene	3.30	39	447321	9.759	ppbv	99
17) tert-Butyl alcohol	4.27	59	1459575	10.344	ppbv	100
18) 1,1-Dichloroethene	4.26	96	839582	10.432	ppbv	97
19) Isopropyl Alcohol	3.94	45	670790	10.252	ppbv #	97
20) Methylene Chloride	4.32	84	691161	9.222	ppbv	98
21) Allyl Chloride	4.38	41	607039	10.543	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	868408	10.644	ppbv	97
23) Vinyl Acetate	5.04	43	1450239	9.717	ppbv	98
24) 1,1-Dichloroethane	4.98	63	1416608	9.963	ppbv	99
25) Ethyl Acetate	5.65	43	2058303	9.813	ppbv	99
26) Hexane	5.66	57	1143197	9.883	ppbv	97
27) Carbon Disulfide	4.52	76	1809261	10.439	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2117024	10.191	ppbv	98
29) Chloroform	5.73	83	2306568	10.145	ppbv	98
30) Cyclohexane	7.10	84	1294710	10.277	ppbv	95
31) cis-1,2-Dichloroethene	5.52	61	1229650	10.333	ppbv	97
32) 1,1,1-Trichloroethane	6.48	97	2354543	9.924	ppbv	99
34) 2-Butanone	5.21	43	1317589	9.044	ppbv	96
35) Carbon Tetrachloride	6.99	117	2342040	9.765	ppbv	98
36) Benzene	6.86	78	3053723	9.150	ppbv	98
37) 1,2-Dichloroethane	6.28	62	1442166	9.539	ppbv	99
38) Trichloroethene	7.81	130	1461745	8.967	ppbv	98
39) 1,2-Dichloropropane	7.58	63	1002531	8.923	ppbv	98
40) 1,4-Dioxane	7.80	88	503180	9.449	ppbv	87
41) Tetrahydrofuran	6.02	42	770336	9.307	ppbv	92
42) Bromodichloromethane	7.76	83	2475603	9.704	ppbv	100
43) Methyl Methacrylate	7.98	69	1230214	9.664	ppbv	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	3875269	8.775	ppbv	99
45) t-1,3-Dichloropropene	9.25	75	1388813	10.292	ppbv	98
46) cis-1,3-Dichloropropene	8.67	75	1688492	9.880	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1418176	9.263	ppbv	99
48) Dibromochloromethane	10.28	129	2353017	10.060	ppbv	100
49) Bromoform	13.01	173	2012999	10.199	ppbv	100
50) 4-Methyl-2-Pentanone	8.71	43	2017714	9.057	ppbv	97
51) 2-Hexanone	10.11	43	1657560	9.262	ppbv #	96
52) Tetrachloroethene	11.19	164	1413563	8.940	ppbv	99
53) Toluene	9.78	91	3761609	9.341	ppbv	100
54) 1,2-Dibromoethane	10.58	107	2211529	9.498	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	1820294	8.977	ppbv	99
57) Chlorobenzene	12.12	112	3024847	8.421	ppbv	98
58) Ethyl Benzene	12.68	91	4802276	8.728	ppbv	99
59) m/p-Xylene	12.97	91	7963837m	17.107	ppbv	
60) o-Xylene	13.67	91	3848232	8.498	ppbv	99
61) Styrene	13.50	104	3082156	9.289	ppbv	98
62) Isopropylbenzene	14.64	105	5942721	8.349	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	2628248	7.490	ppbv	100
64) n-propylbenzene	15.54	120	1779215	8.648	ppbv	95
65) tert-Butylbenzene	16.72	119	5287513	8.161	ppbv	98
66) Benzyl Chloride	16.96	91	1855158	8.663	ppbv	98
67) sec-Butylbenzene	17.27	105	7043094	8.067	ppbv	99
69) p-Isopropyltoluene	17.63	119	5900757	8.190	ppbv	99
70) n-Butylbenzene	18.53	91	5611499	8.088	ppbv	99
71) 2-Chlorotoluene	15.43	91	4403937	8.459	ppbv	98
72) 4-Ethyltoluene	15.82	105	4692430	8.544	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4301962	8.559	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	4380049	8.133	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2860058	8.340	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2888789	8.733	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2803630	8.387	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1291265	8.279	ppbv	100
79) Naphthalene	22.17	128	3443311	9.171	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	741488	12.119	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	1874047	8.934	ppbv	99

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

